

FIGURE 1

TM-020 Mode Cavity with Inner Cylinder

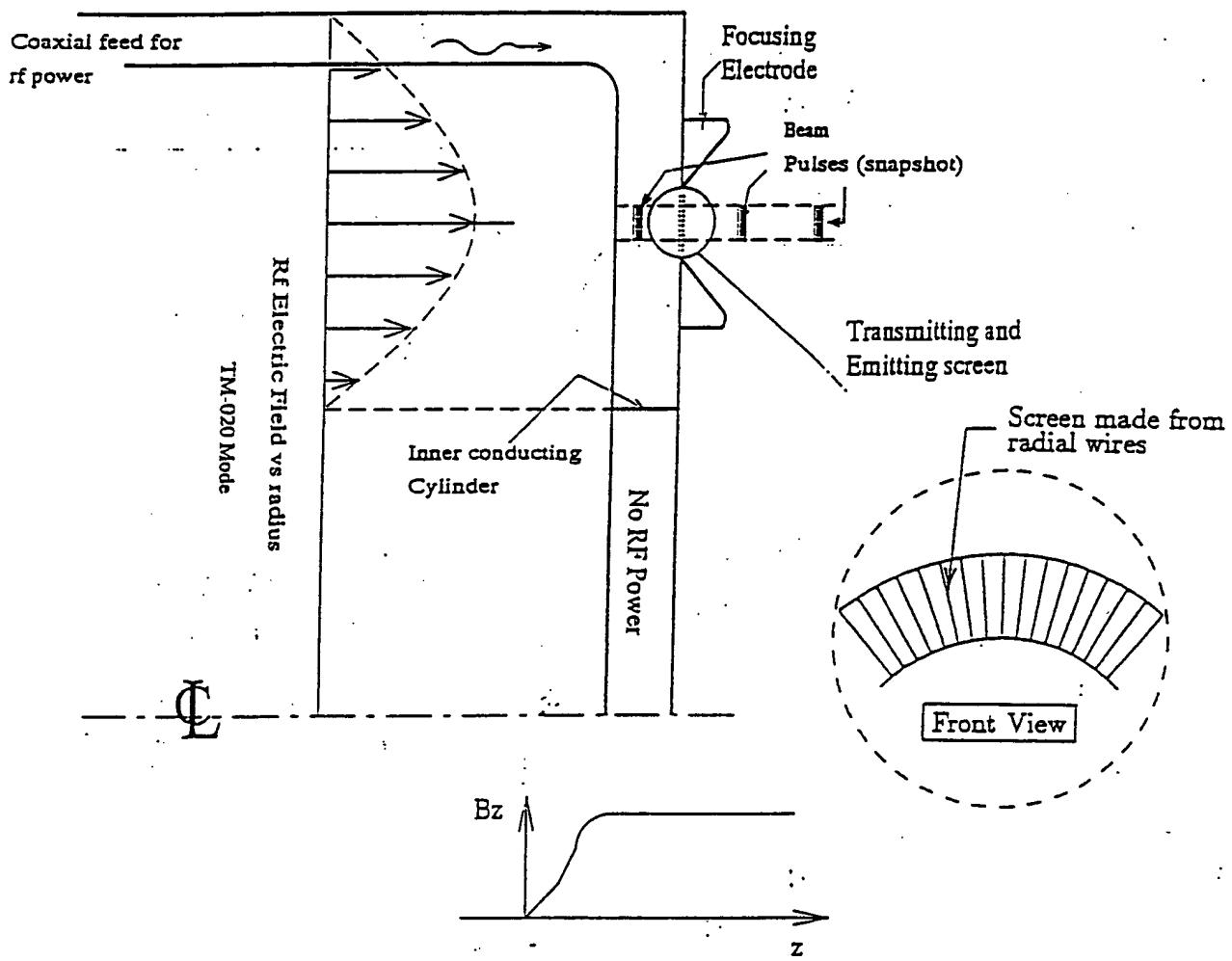
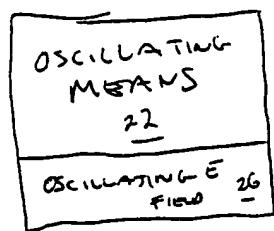
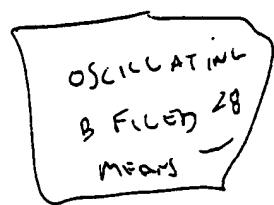


FIGURE 2

CONFIDENTIAL - SECURITY INFORMATION



RF cavity  
(side view)



Emitting surface S  
Coeff. =  $\delta_1$

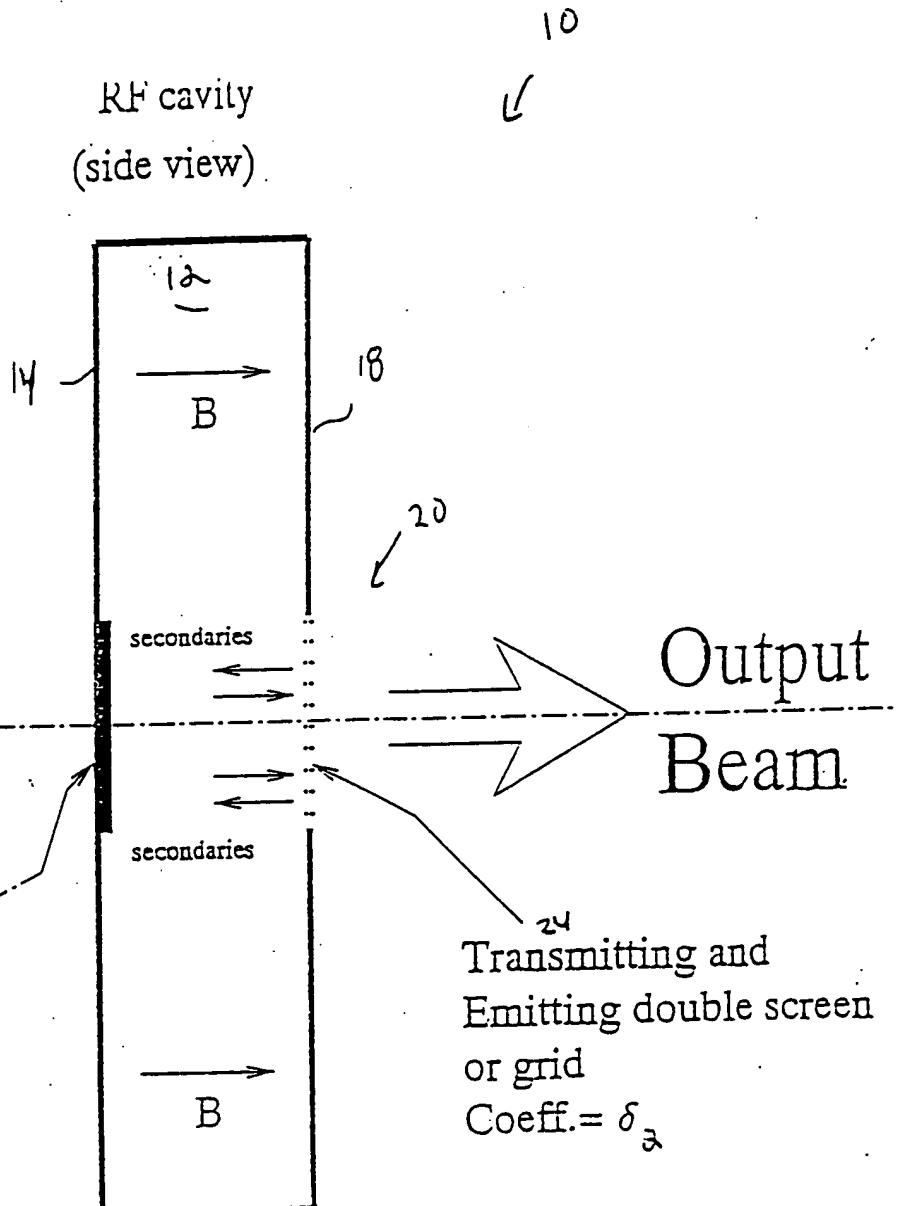


FIGURE 3

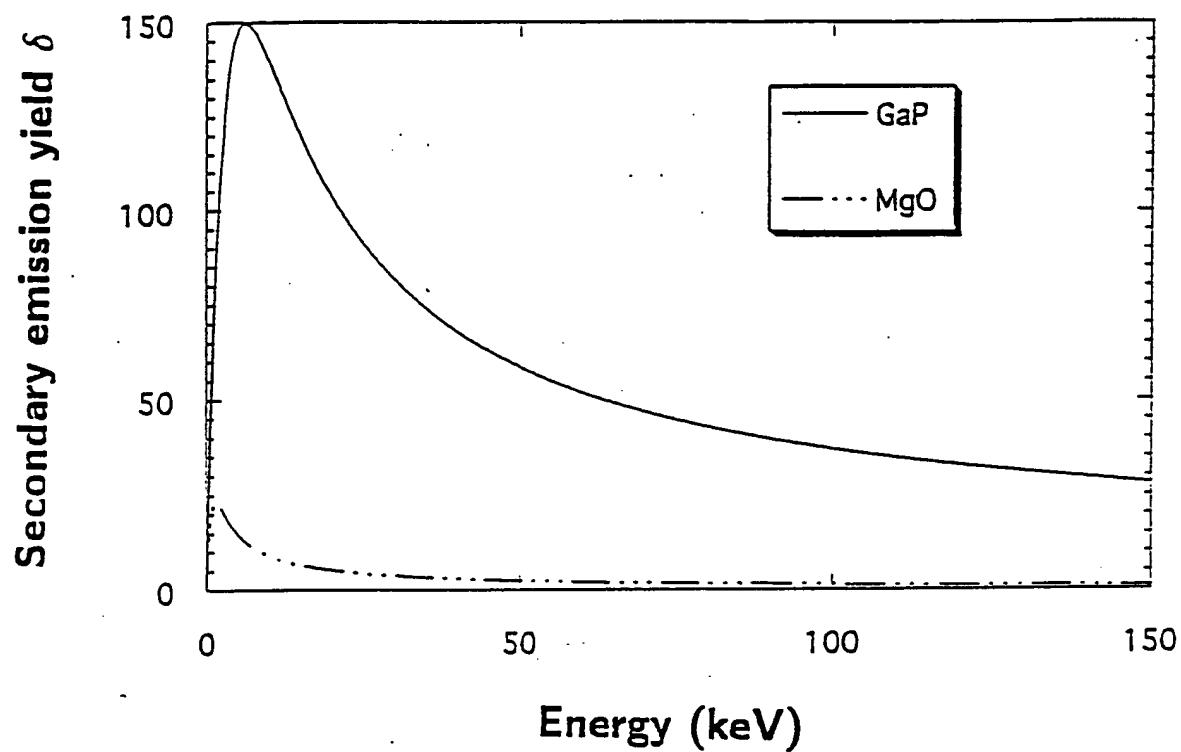


FIGURE 4

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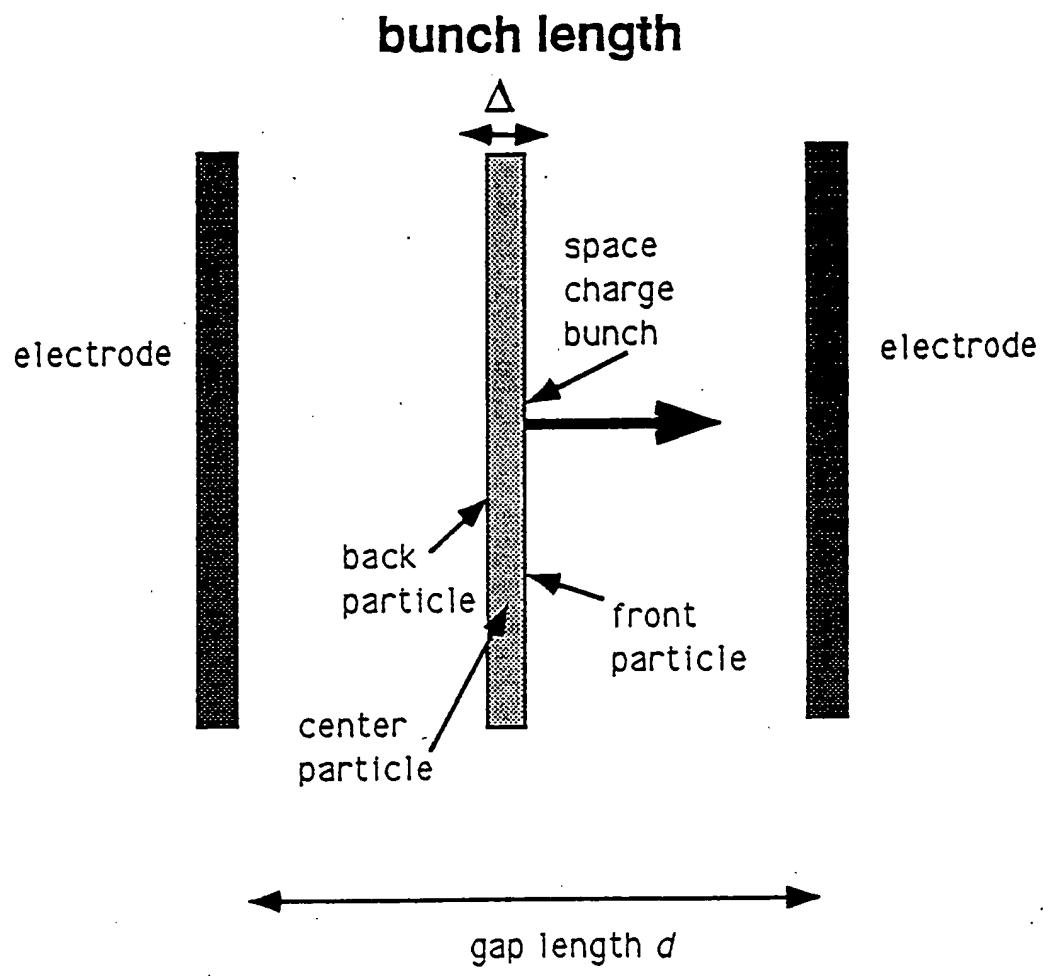


FIGURE 5

DISCUSSIONS

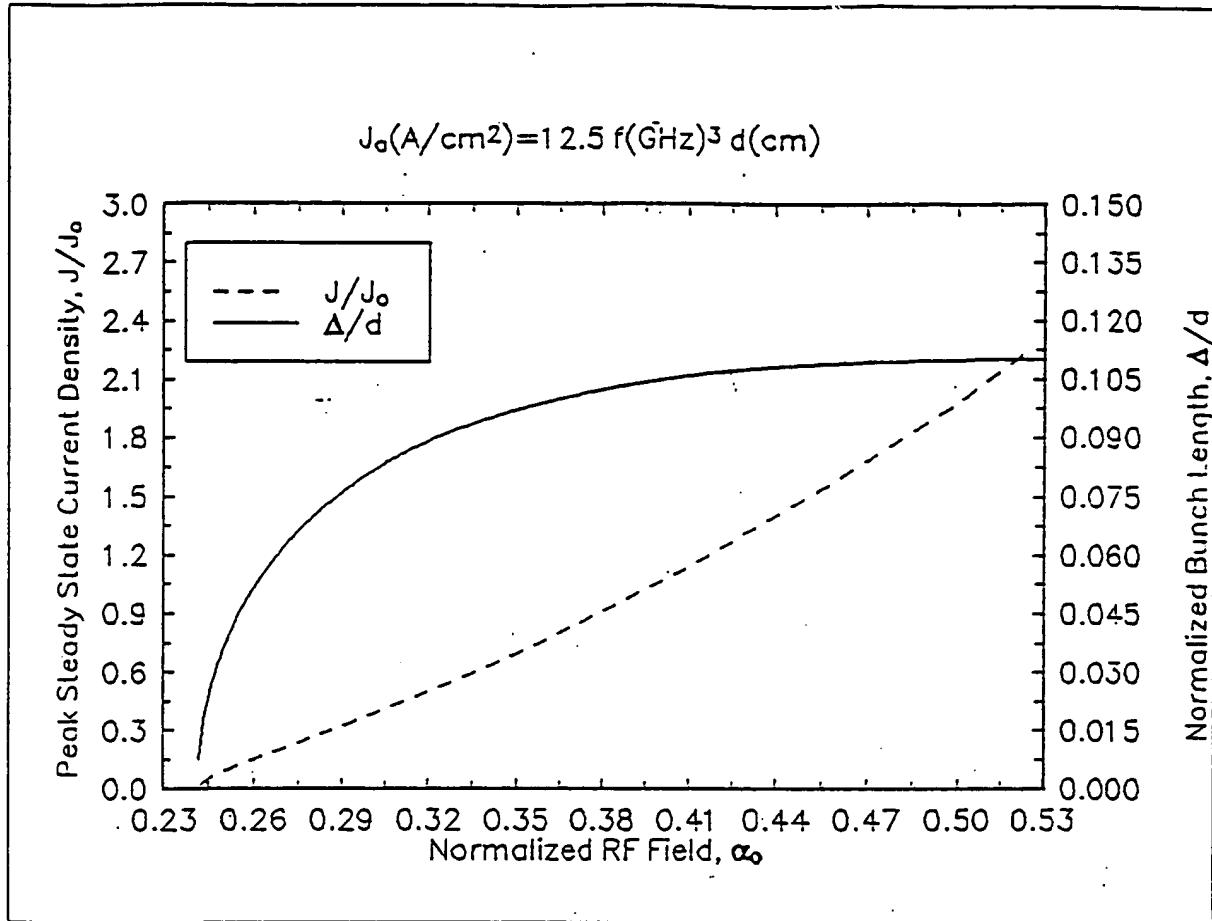


FIGURE 6

Resonant & Kilpatrick Electric Field vs Frequency  
Resonant Electric is given at different gap spacings

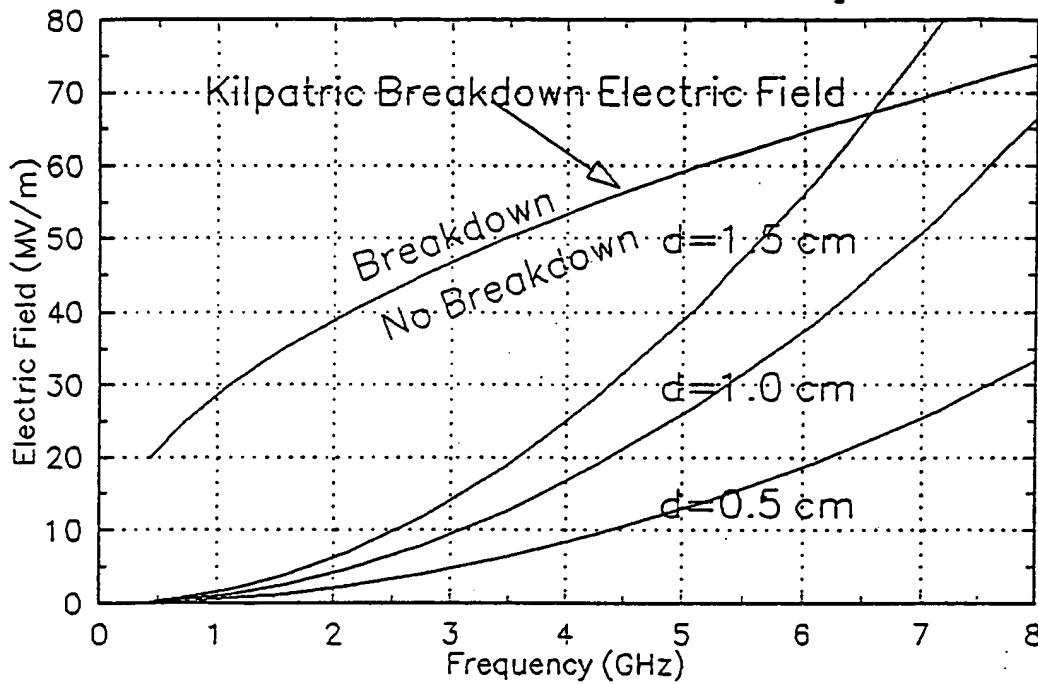


FIGURE 7

1.3 GHz, xy plot

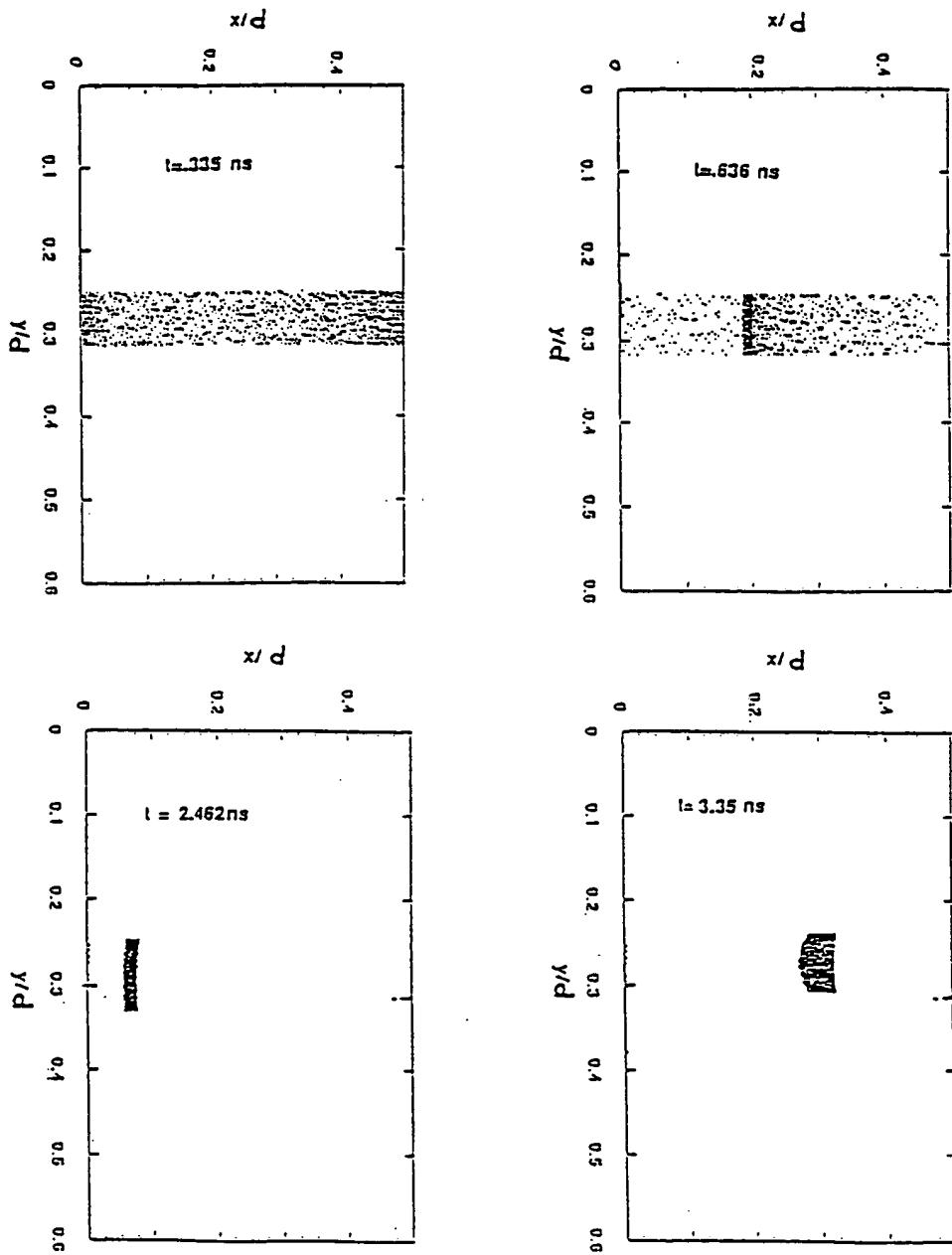


FIGURE 8

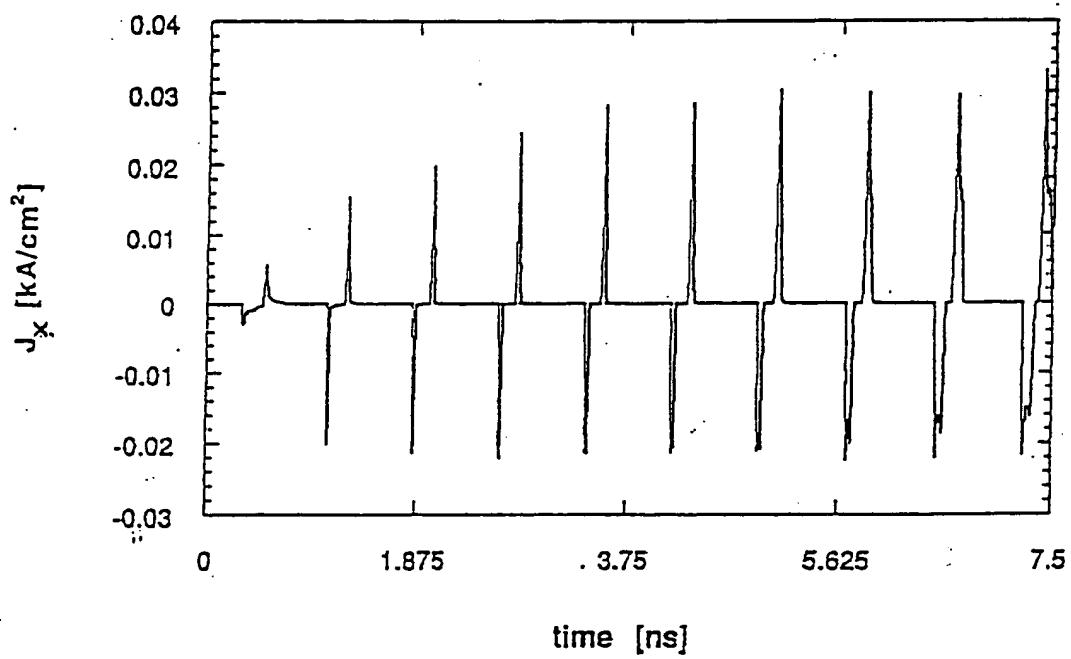


FIGURE 9

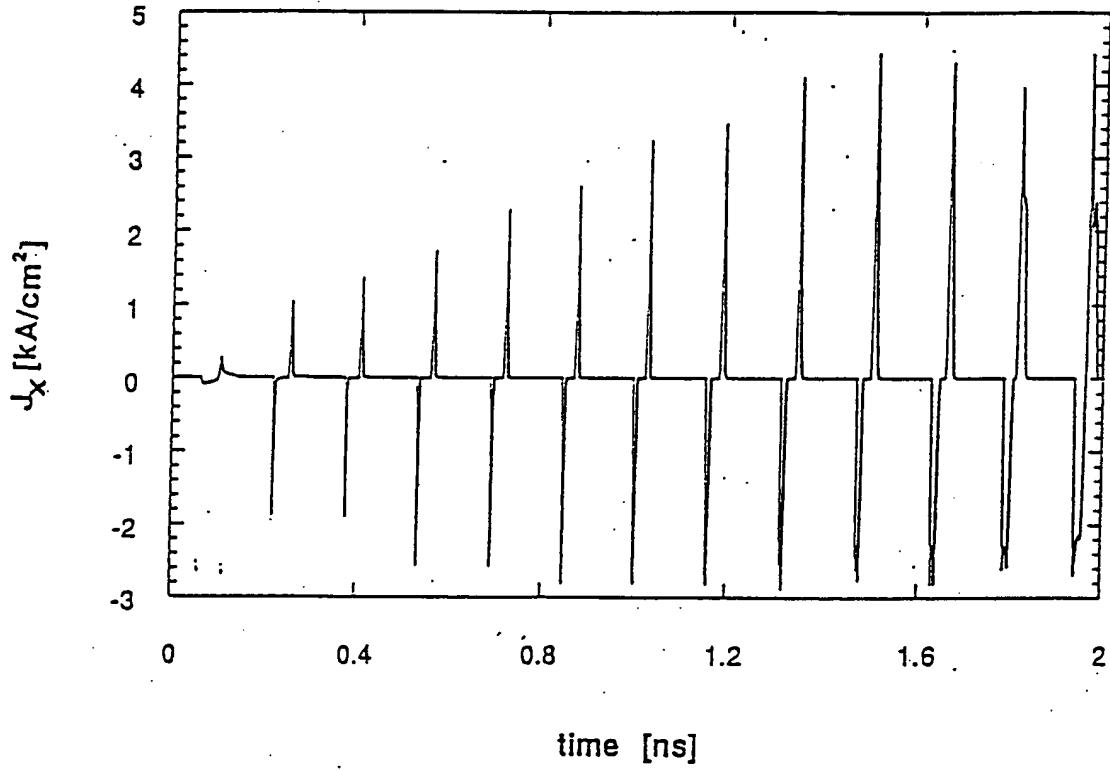


FIGURE 10

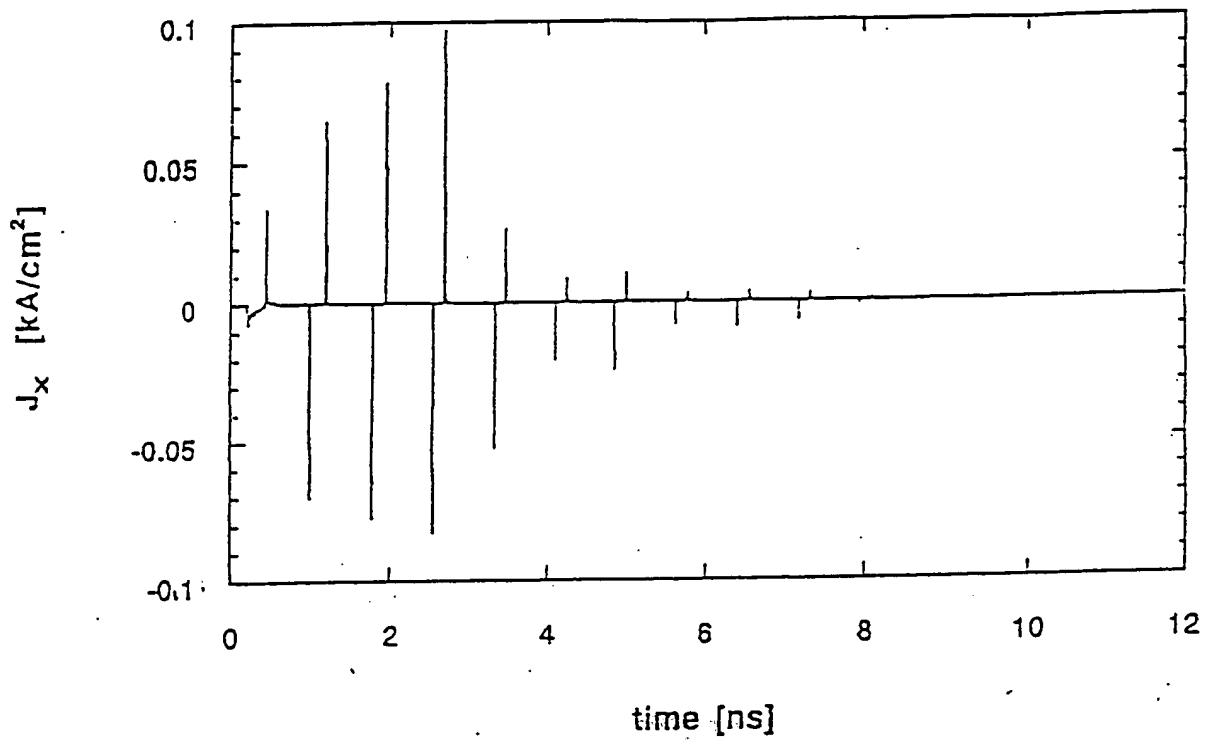


FIGURE 11

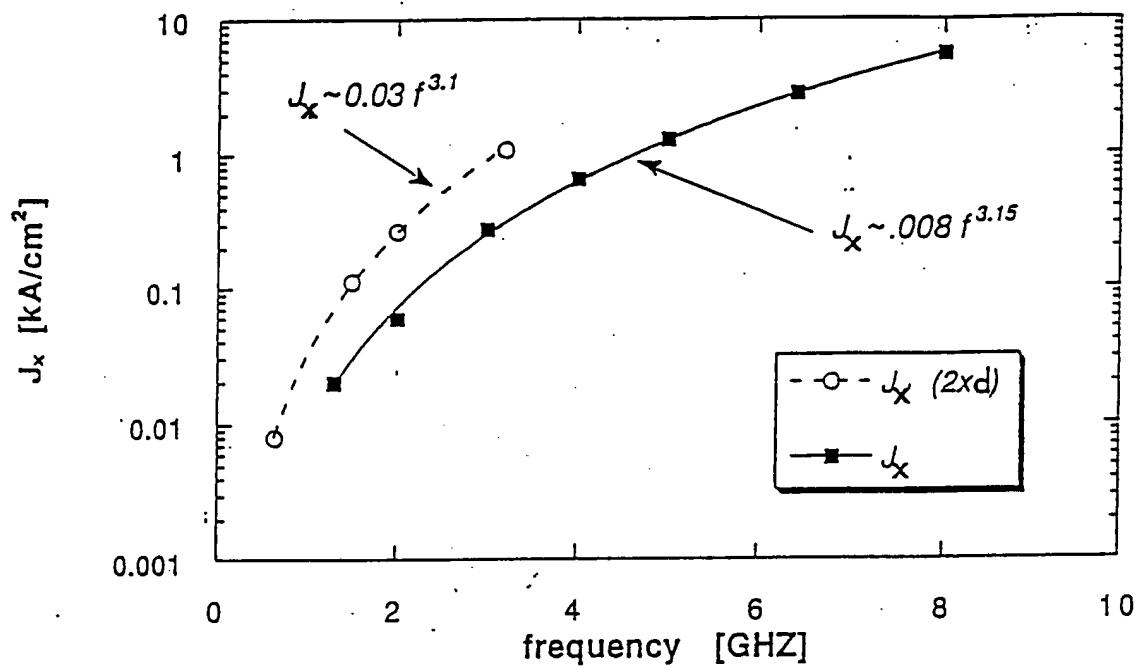


FIGURE 12

Micro-Pulse Duration vs Frequency

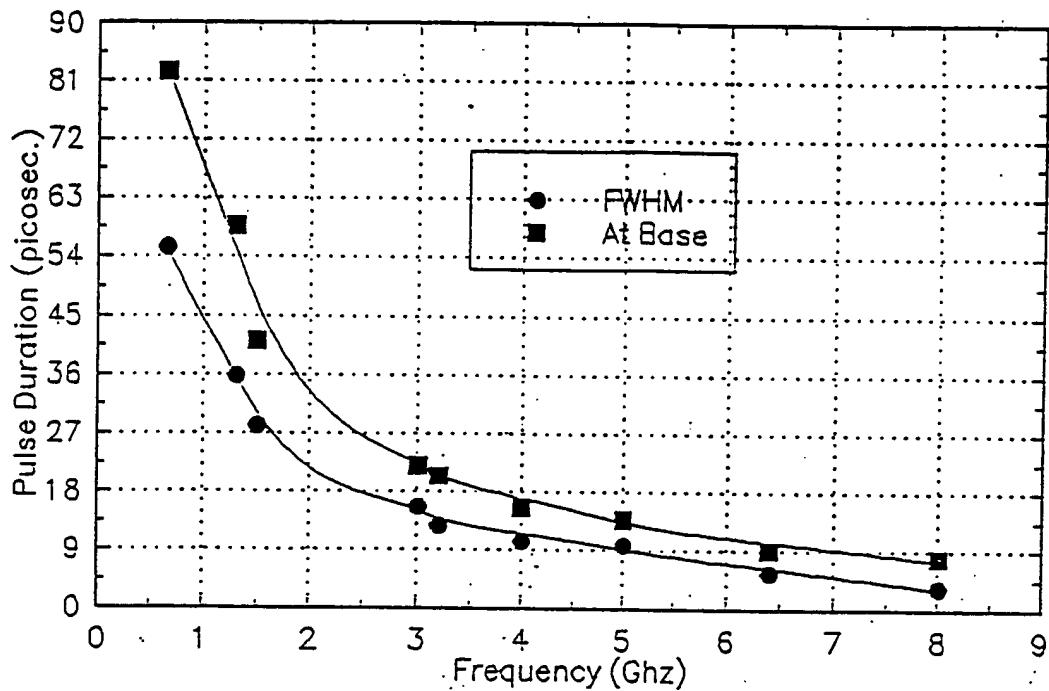


FIGURE 13

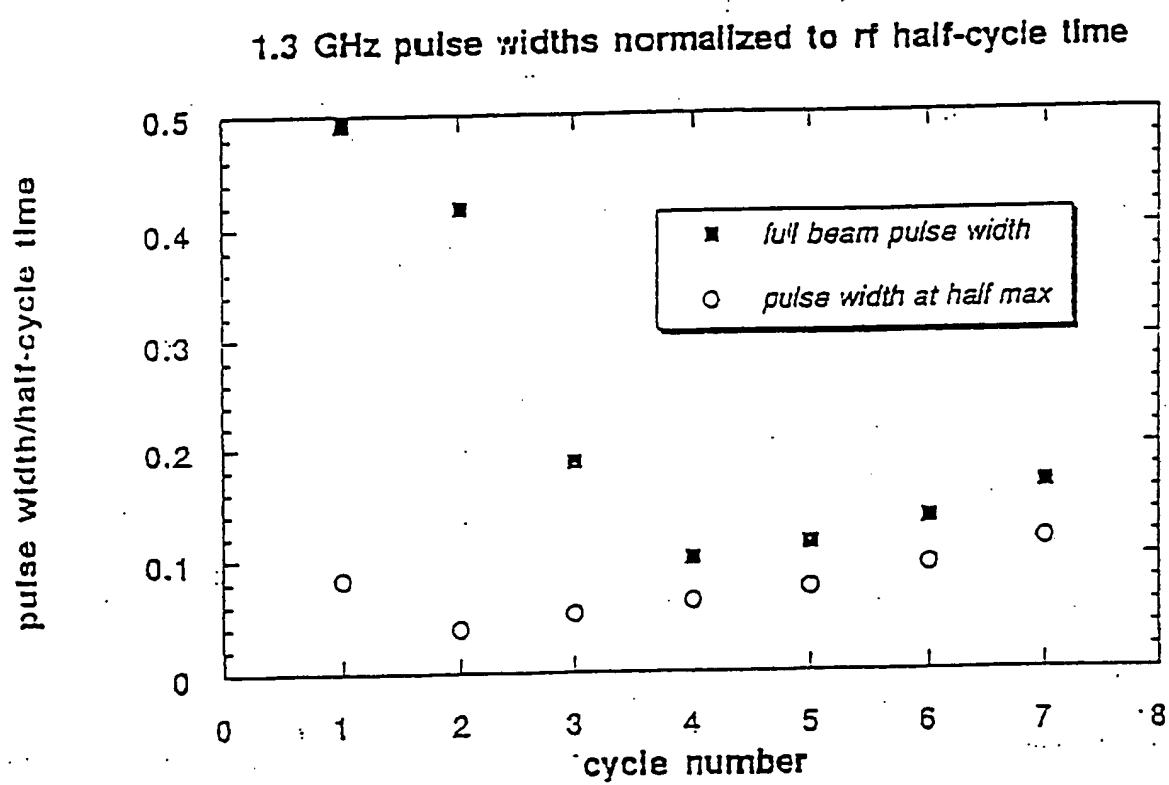


FIGURE 14

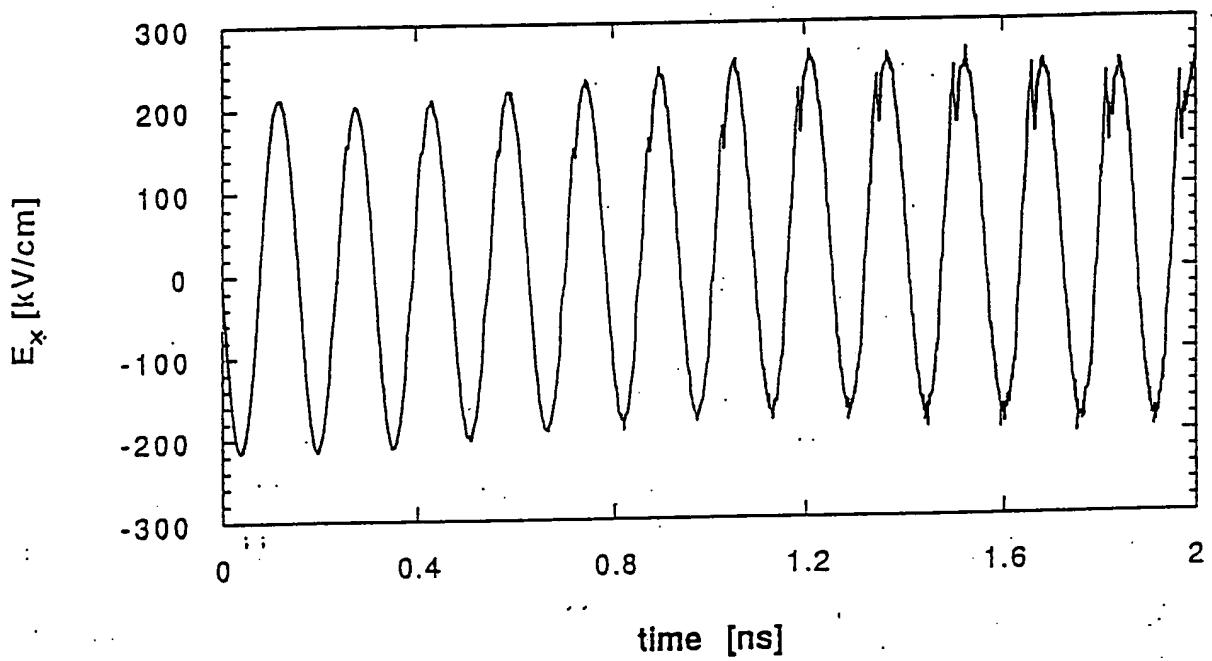


FIGURE 15

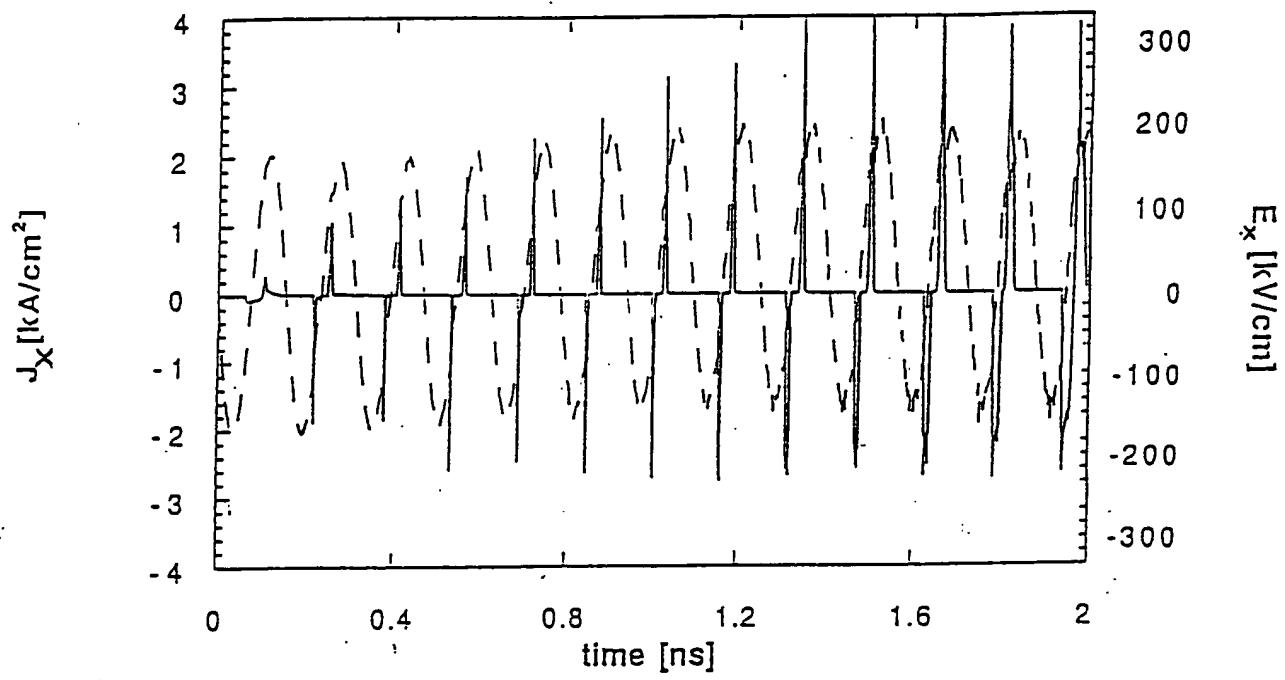


FIGURE 16

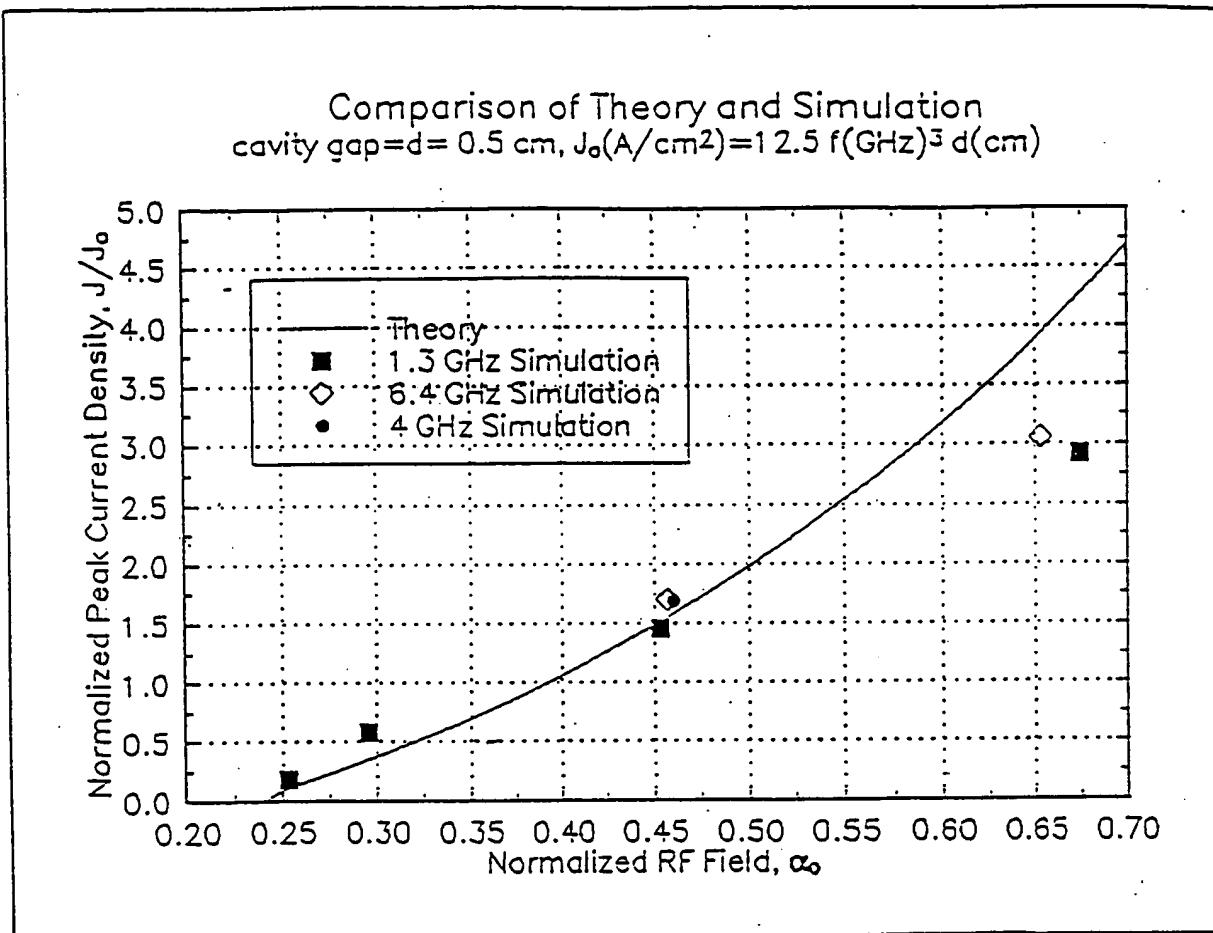


FIGURE 17

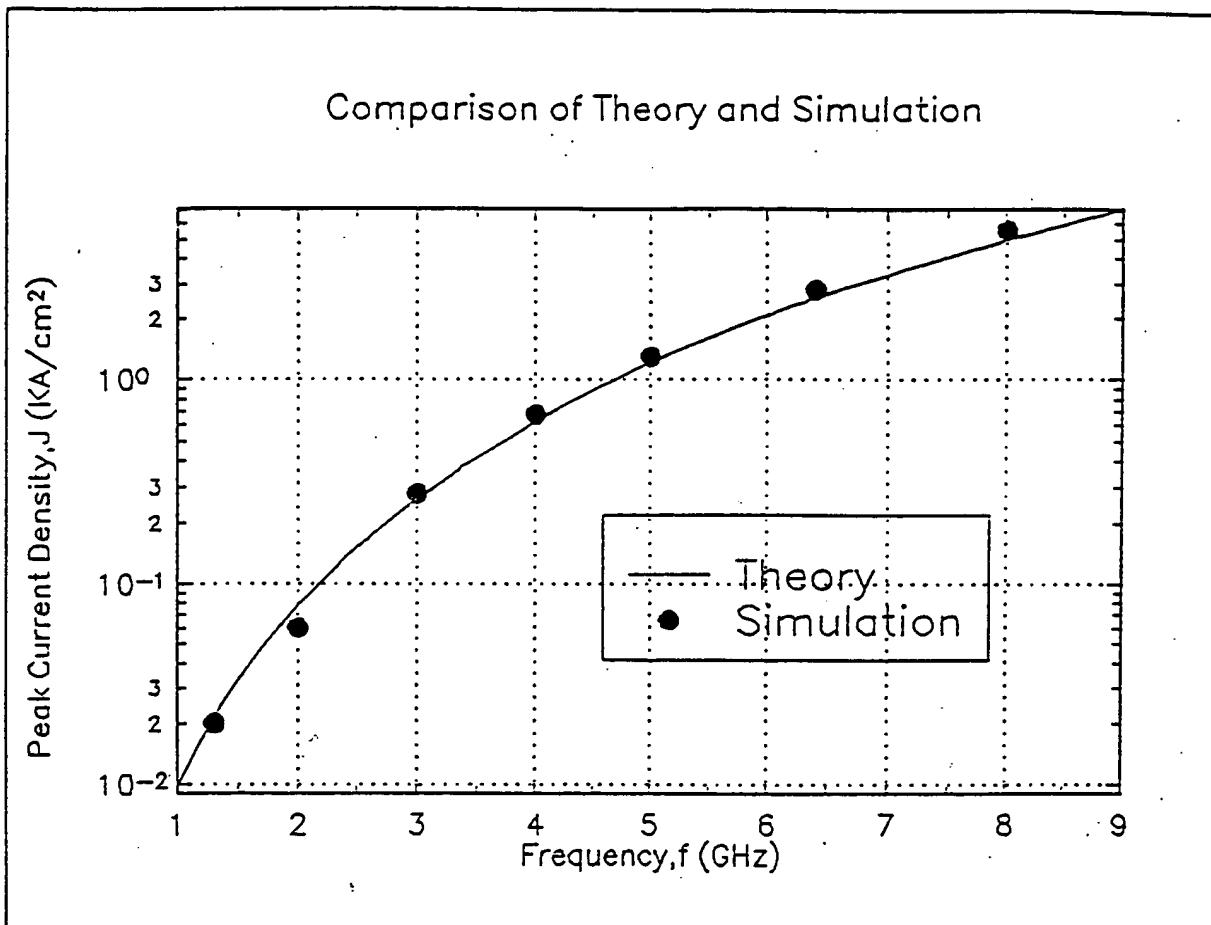


FIGURE 18

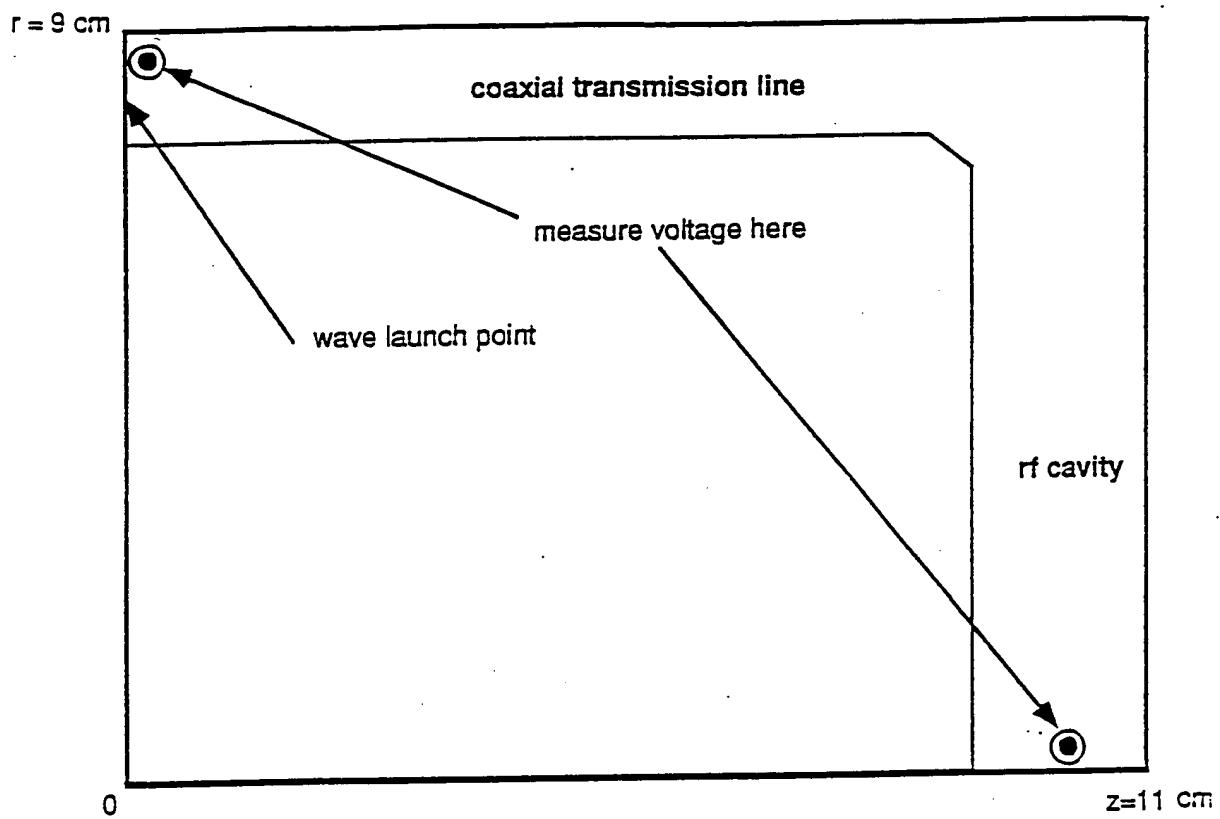


FIGURE 19

0000000000000000

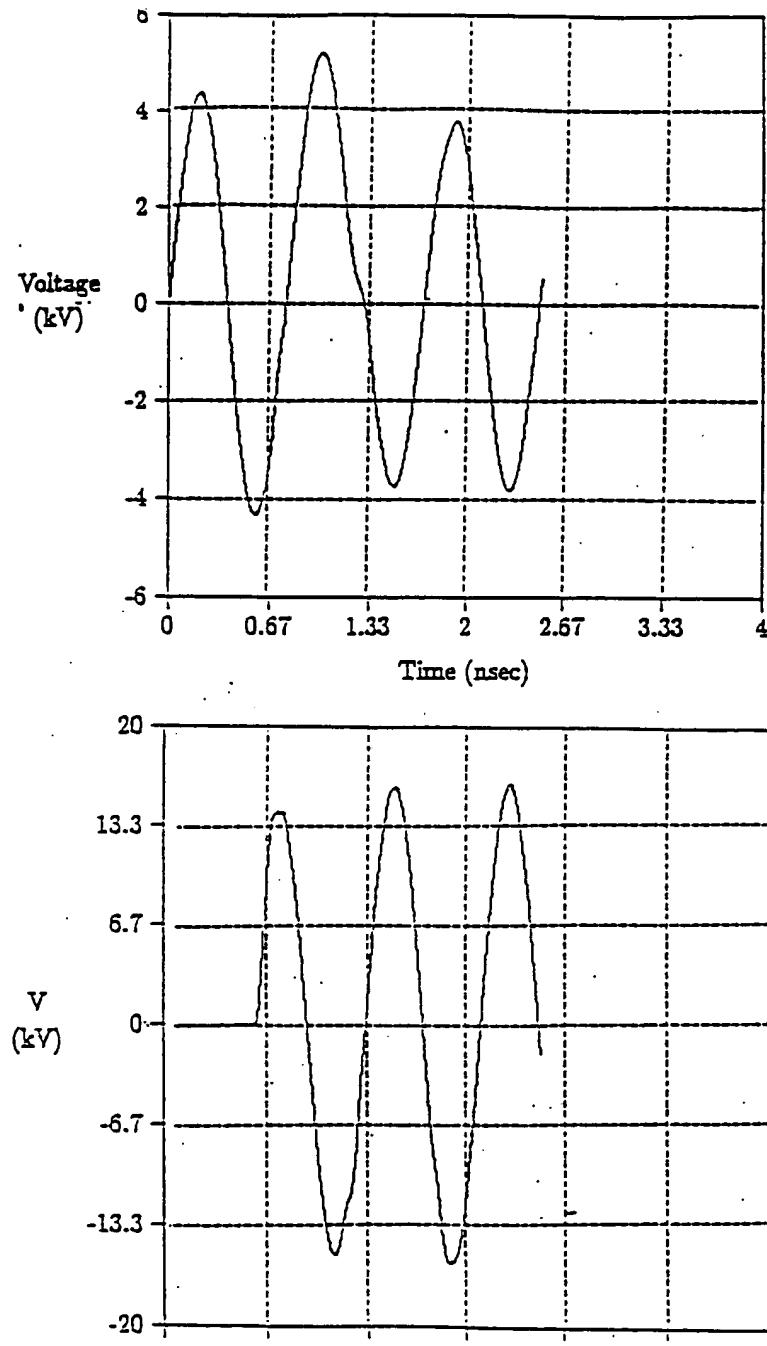


FIGURE 20

Electric Field vs Radius for an Ideal and a Coaxially Fed Cavity  
 $\text{TM}_{010}$  mode at 1.275 GHz, Cavity Gap=1 cm, Coaxial Gap= 1 cm

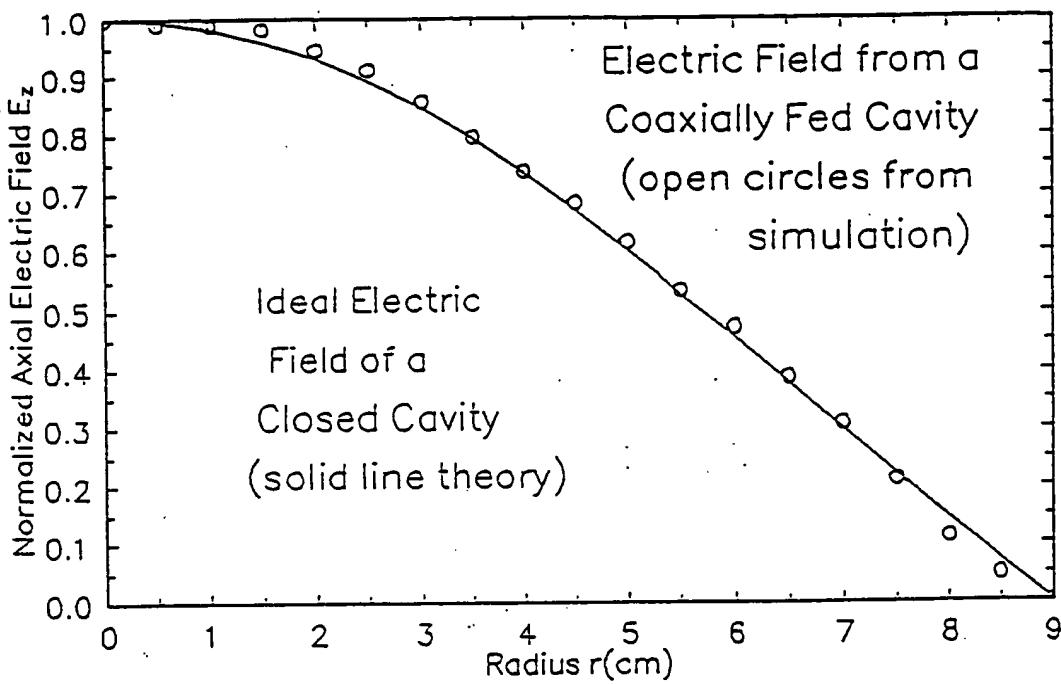
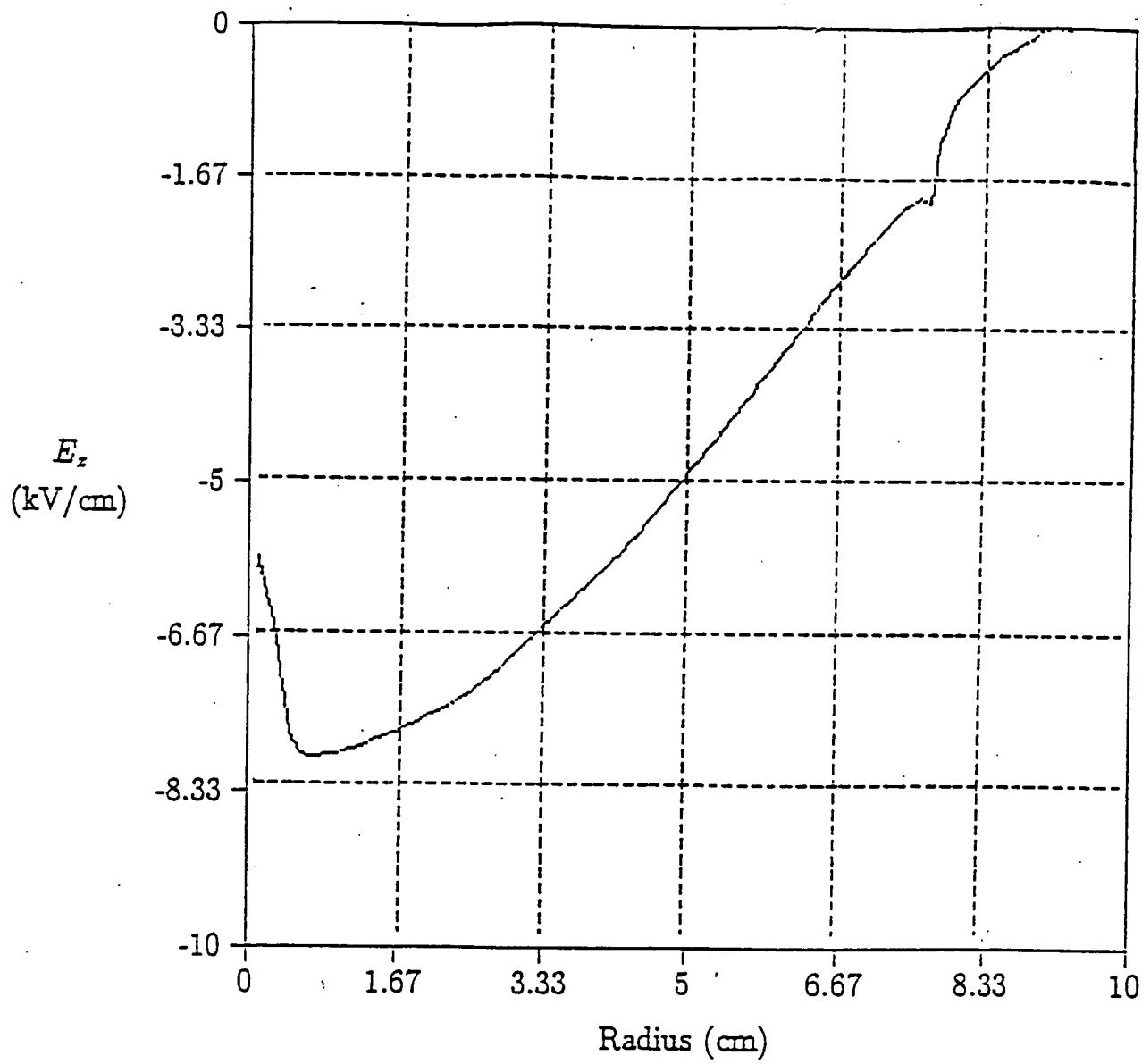
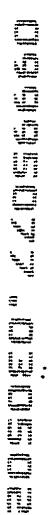


FIGURE 21



## FIGURE 22

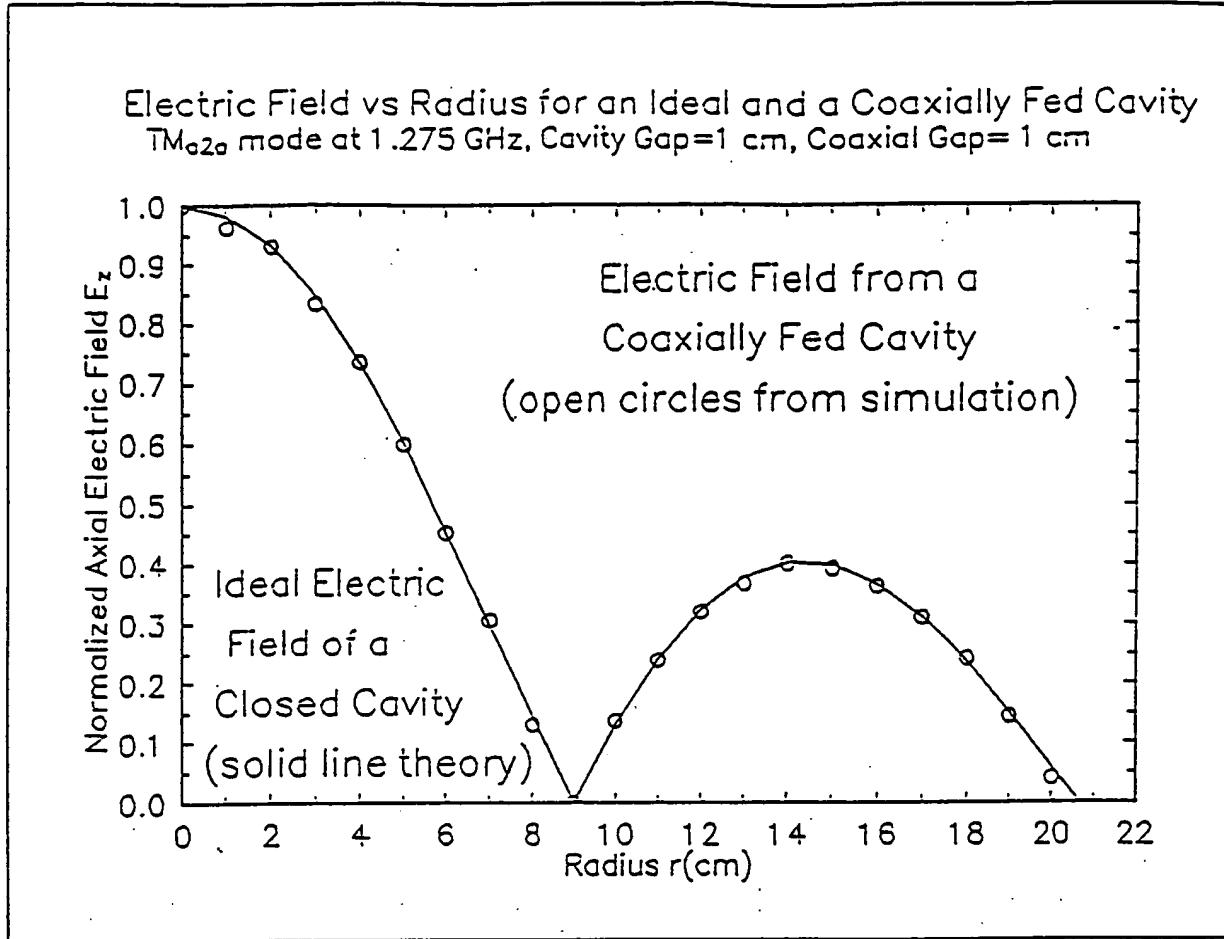


FIGURE 23

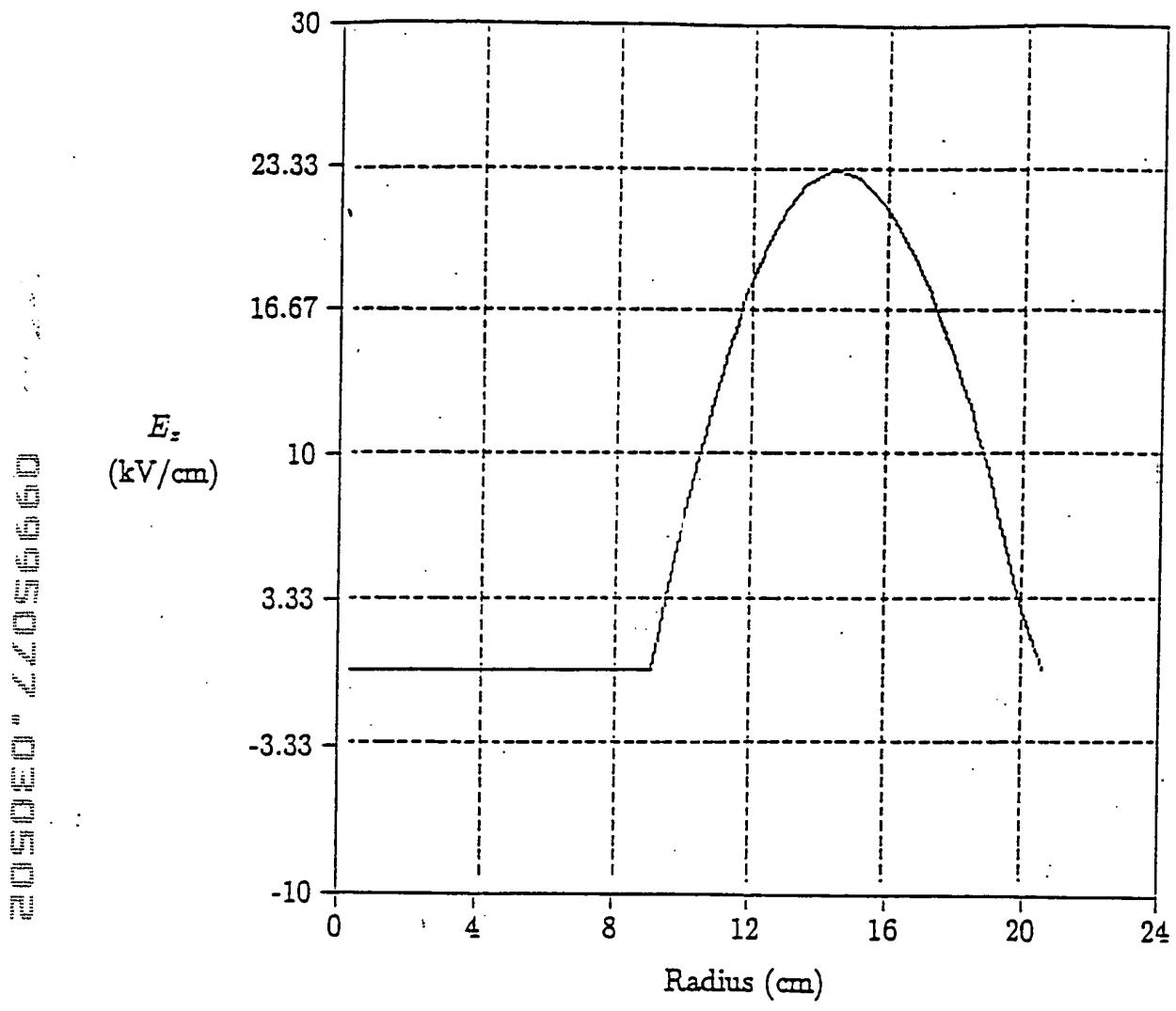


FIGURE 24

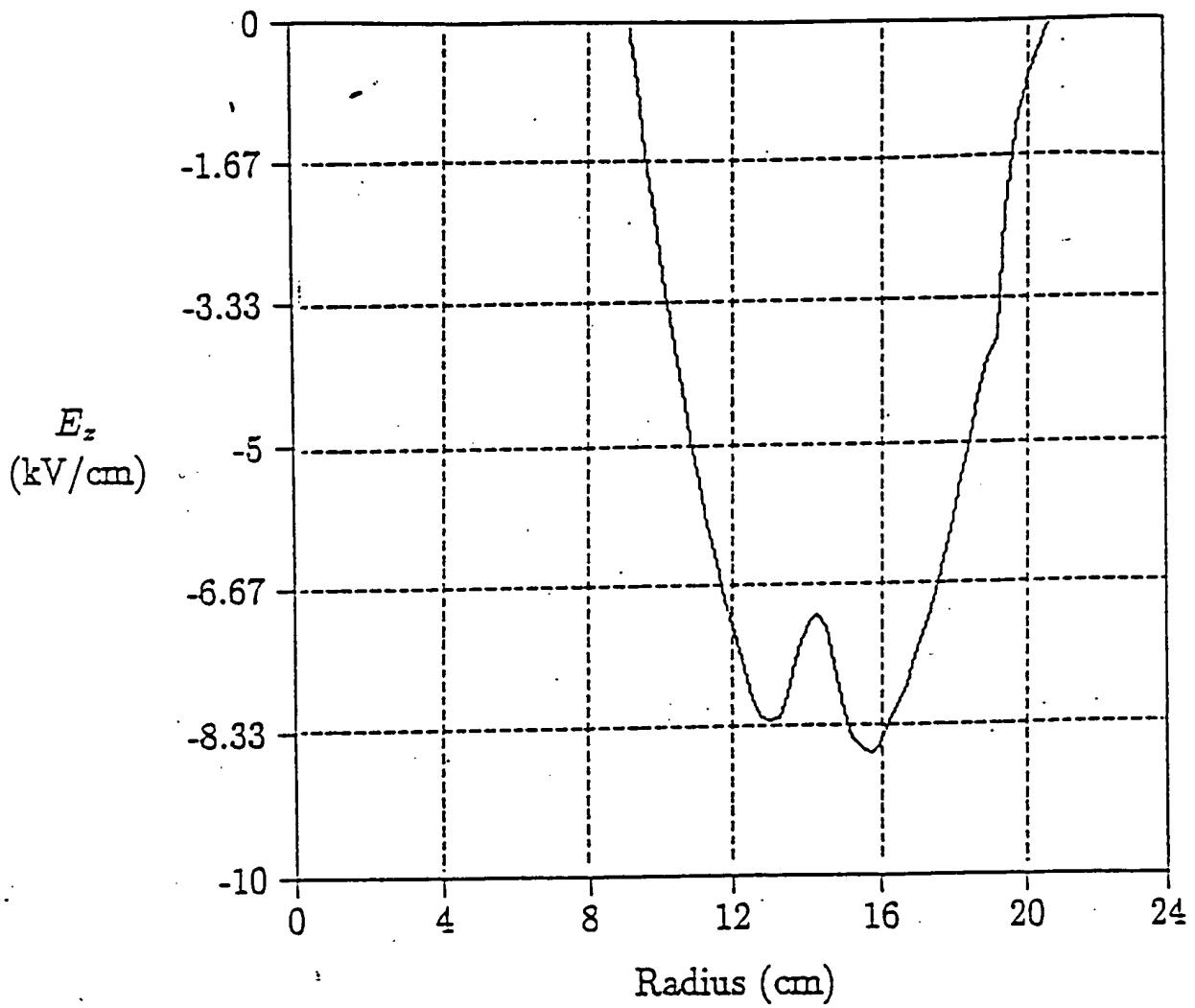


FIGURE 25

2050E0 "Z096660

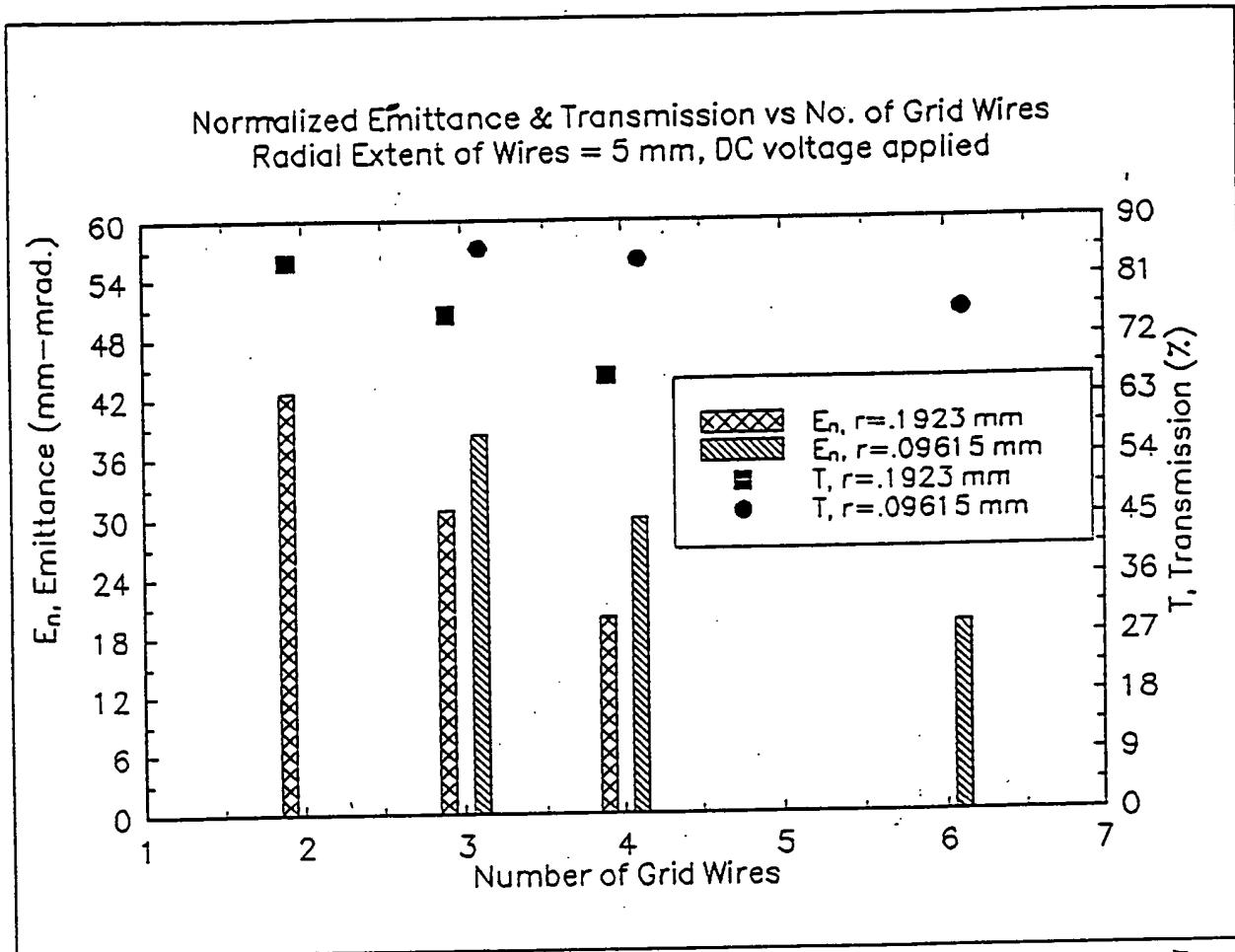


FIGURE 26

2005000000000000

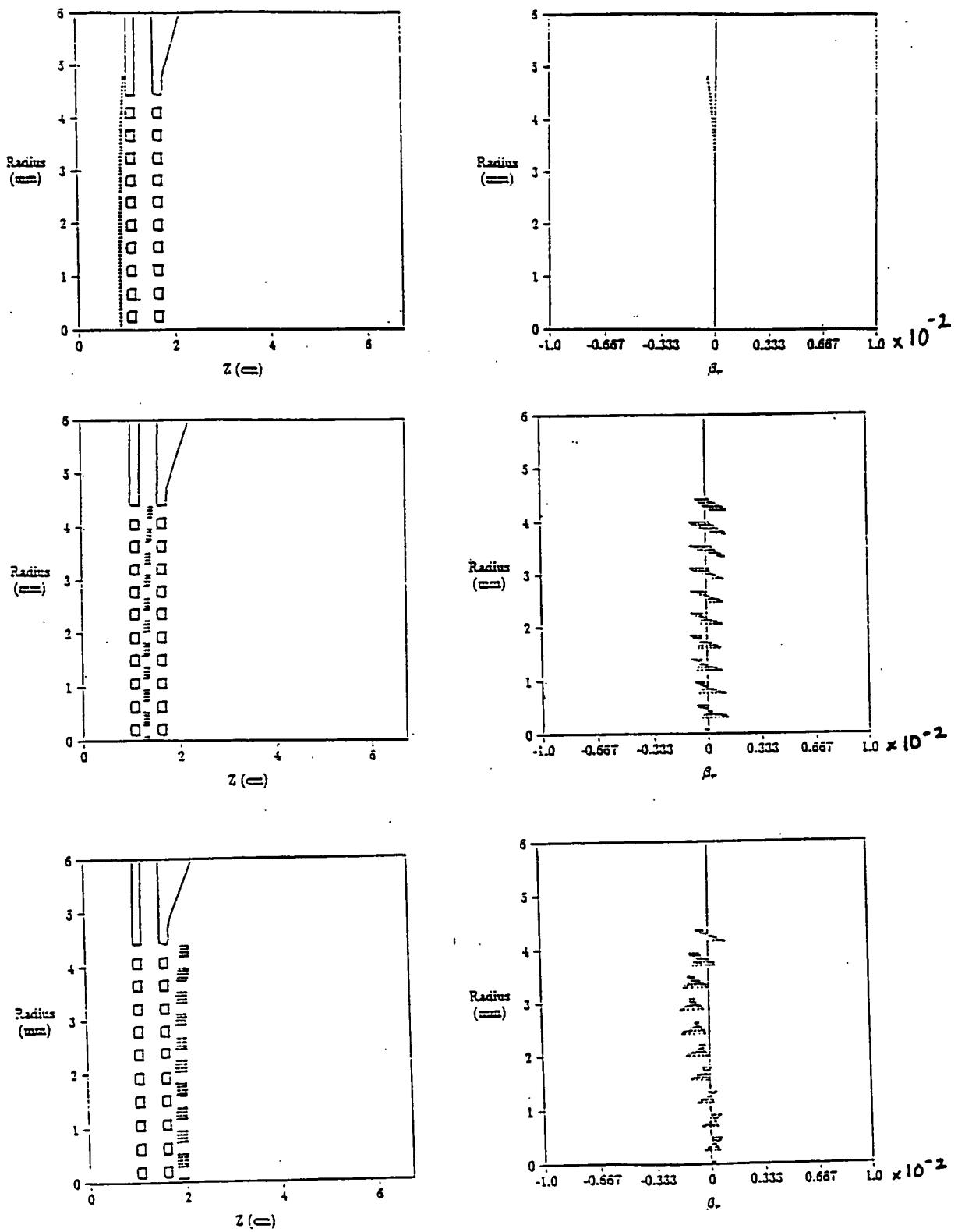


FIGURE 27

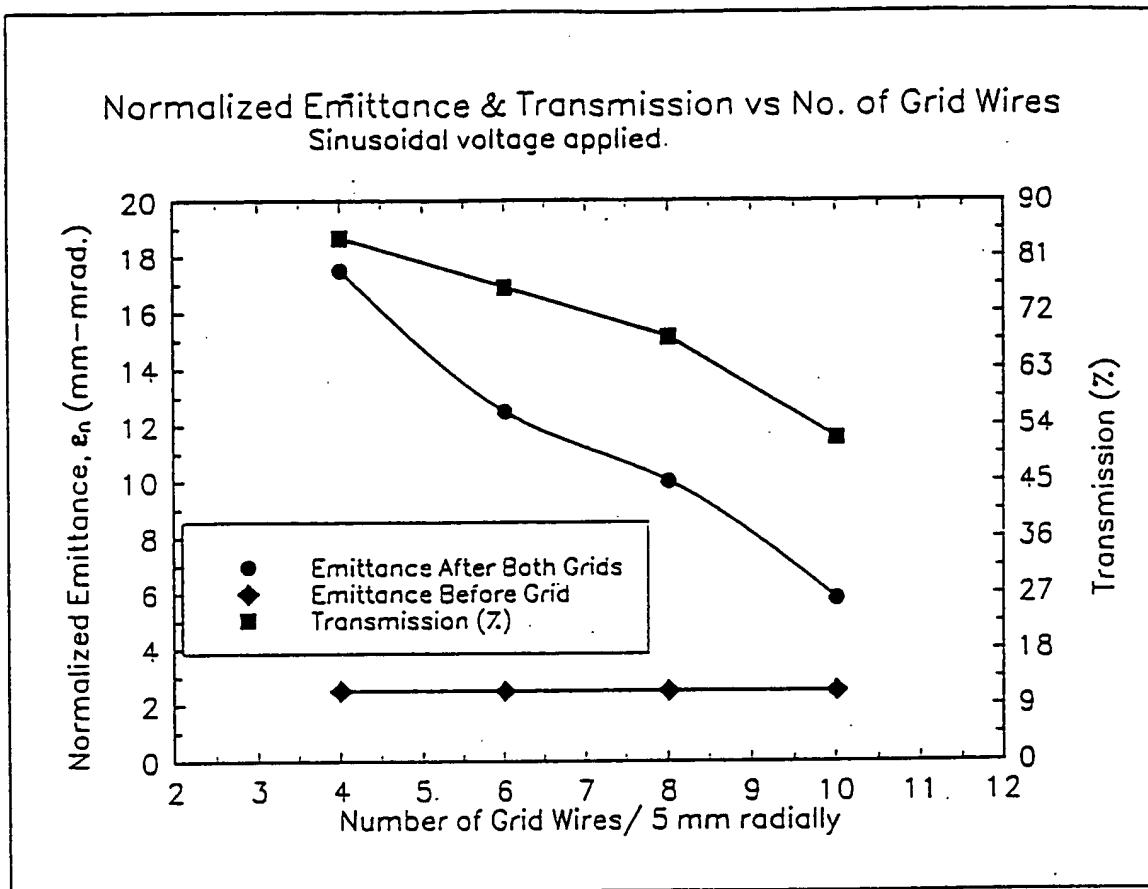


FIGURE 28

2020-06-16 09:22:00

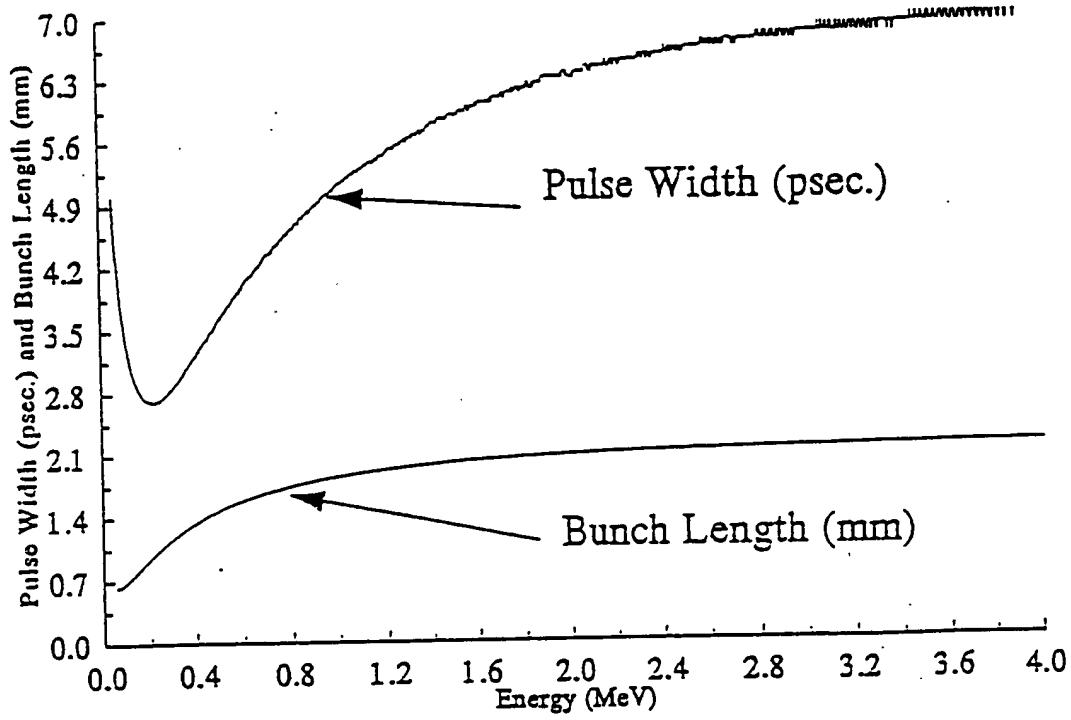


FIGURE 29

20060622-00010

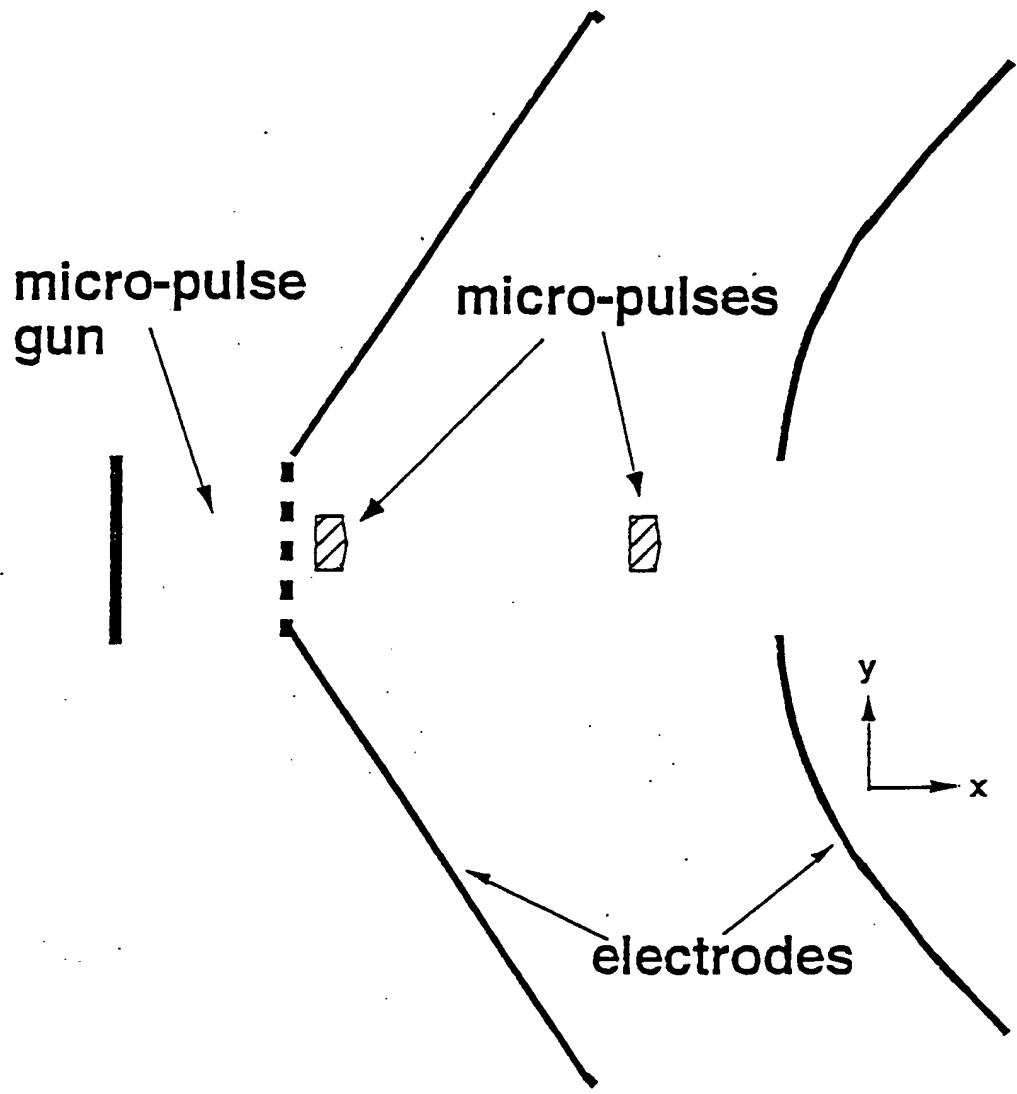


FIGURE 30

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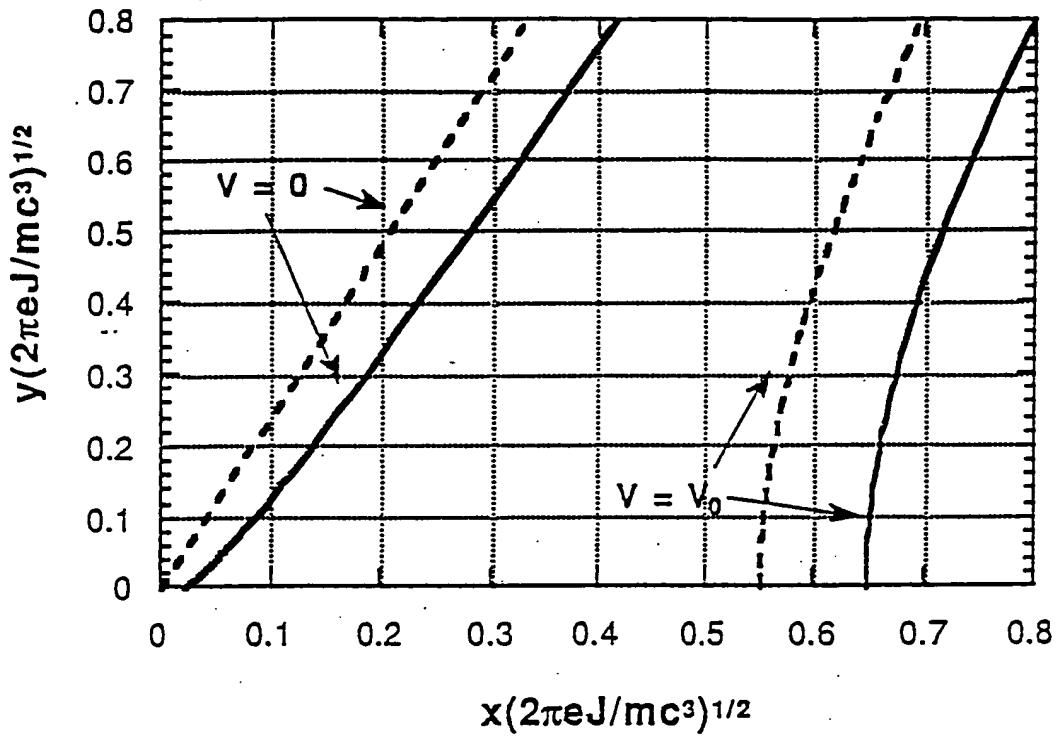


FIGURE 31

2009-02-26 09:00:00

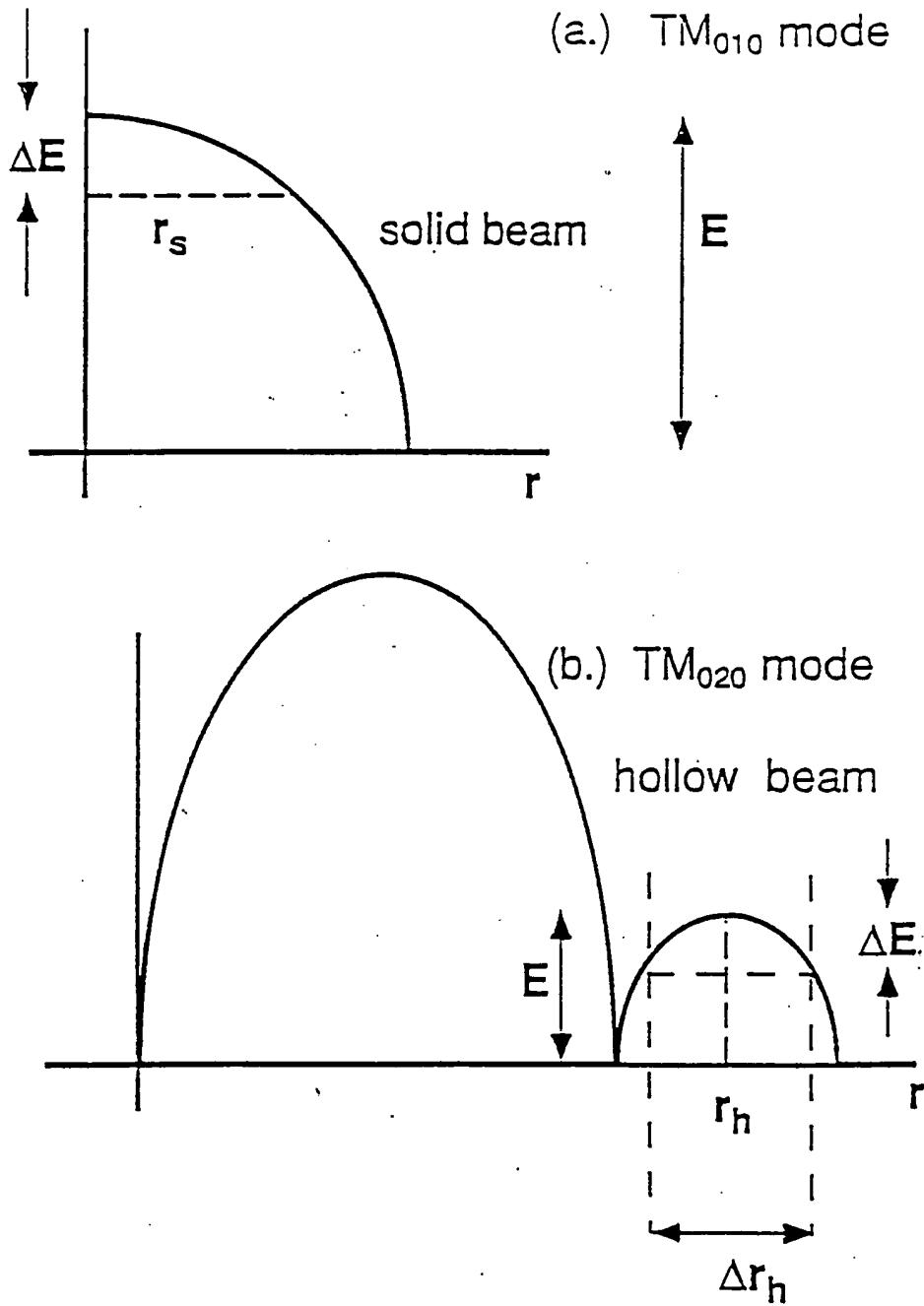
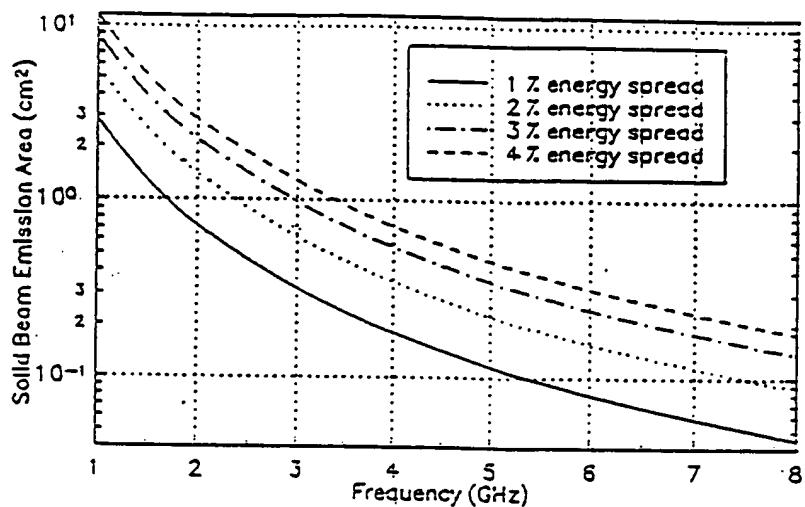


FIGURE 32

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Emission Area vs Frequency for Different Energy Spreads  
Solid Beam, TM<sub>010</sub> Mode



Emission Area vs Frequency for Different Energy Spreads  
Solid Beam, TM<sub>010</sub> Mode

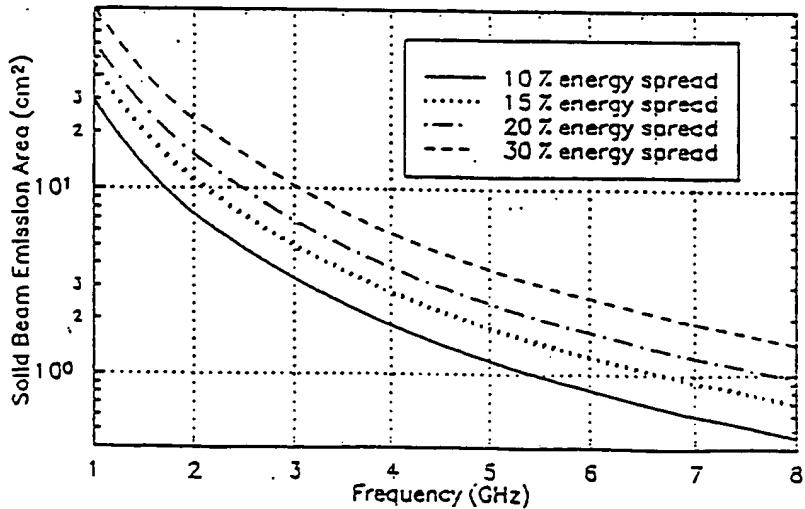
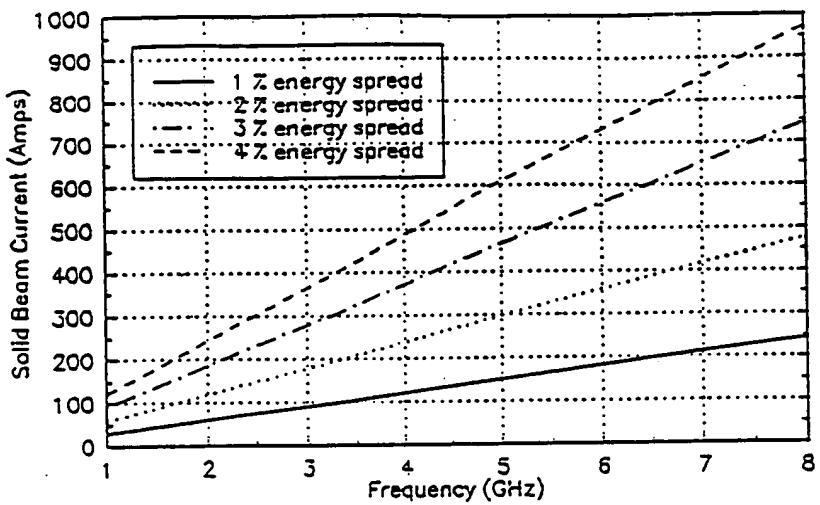


FIGURE 33

2025 RELEASE UNDER E.O. 14176

Beam Current vs Frequency for Different Energy Spreads  
Solid Beam, TM<sub>010</sub> Mode,  $\alpha_s=0.453$ ,  $d=0.5$  cm



Beam Current vs Frequency for Different Energy Spreads  
Solid Beam, TM<sub>010</sub> Mode,  $\alpha_s=0.453$ ,  $d=0.5$  cm

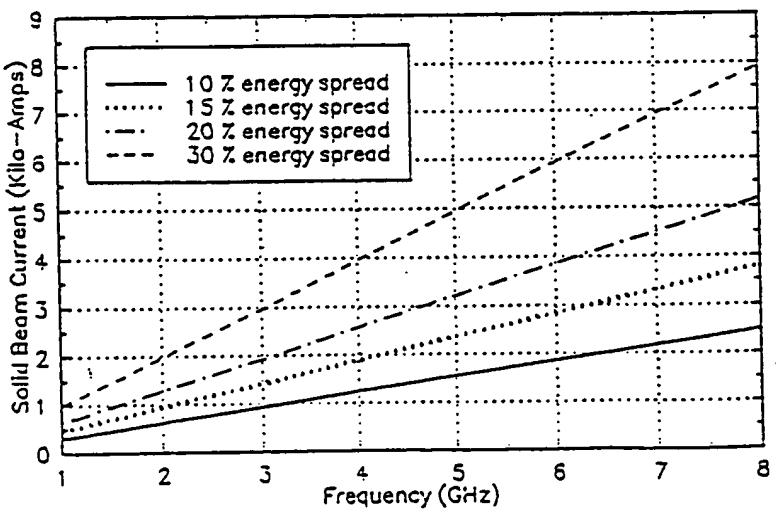
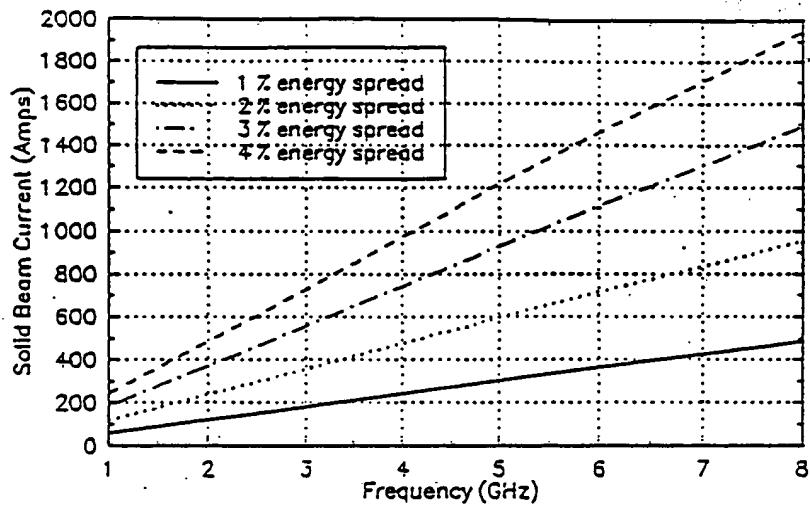


FIGURE 34

2020-09-24 09:00:00

Beam Current vs Frequency for Different Energy Spreads  
Solid Beam, TM<sub>010</sub> Mode,  $\alpha_s=0.453$ ,  $d=1.0$  cm



Beam Current vs Frequency for Different Energy Spreads  
Solid Beam, TM<sub>010</sub> Mode,  $\alpha_s=0.453$ ,  $d=1.0$  cm

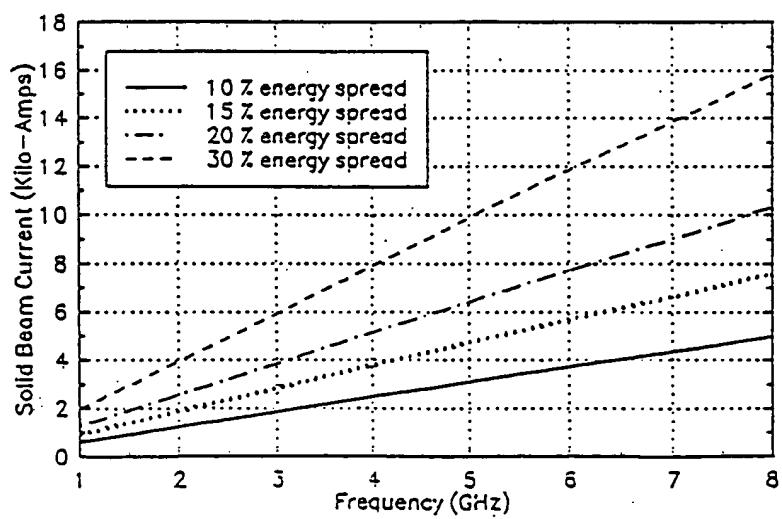


FIGURE 35

2050E0 "42056666

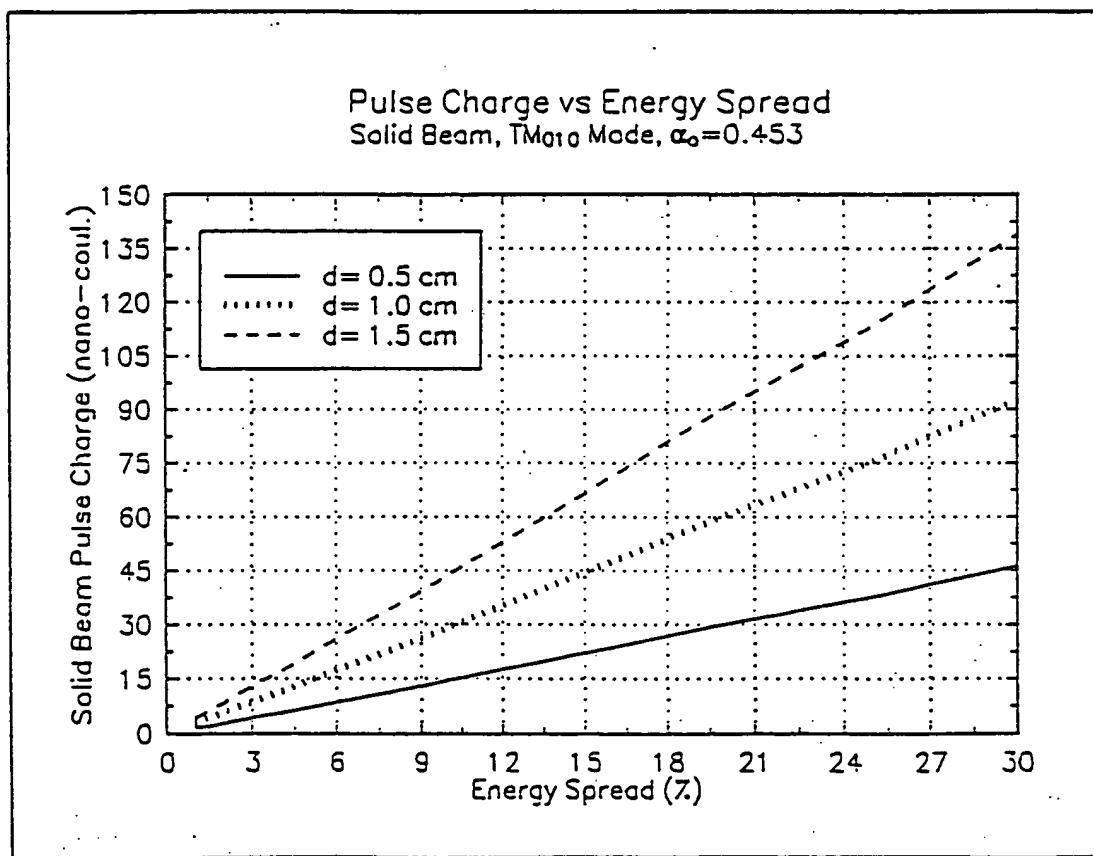


FIGURE 36

2020E0 - 2 DISCRETE

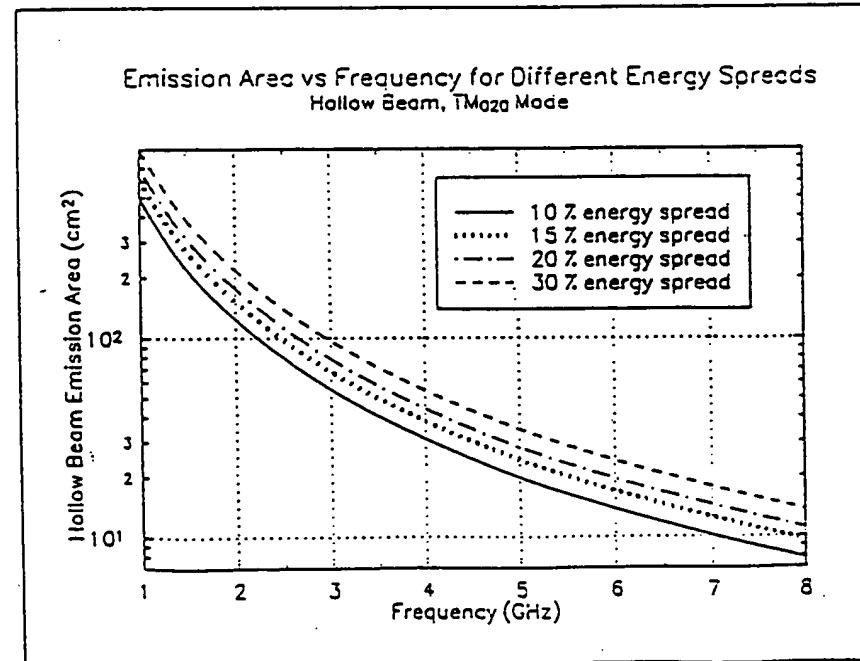
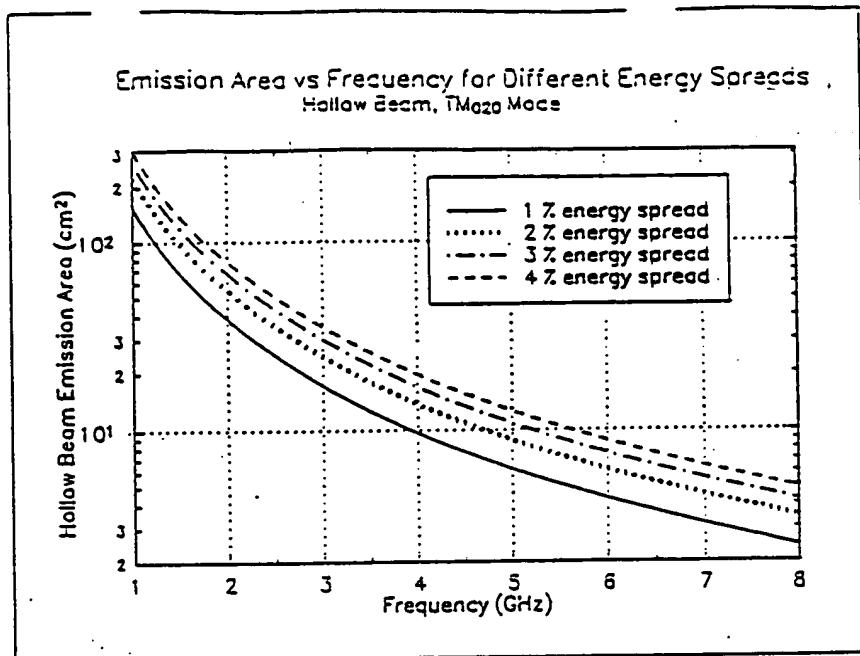


FIGURE 37

20202020 2202020

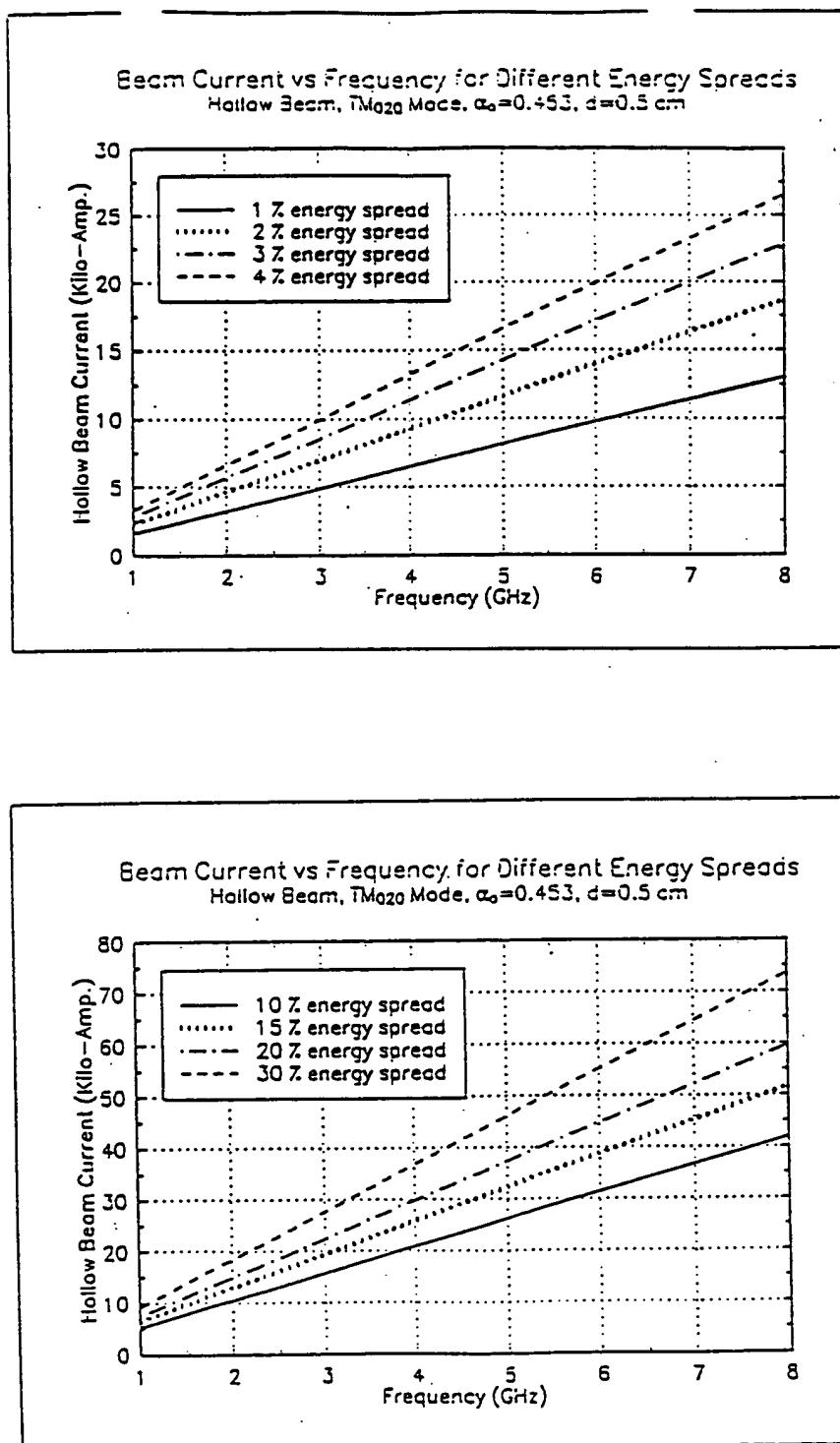


FIGURE 38

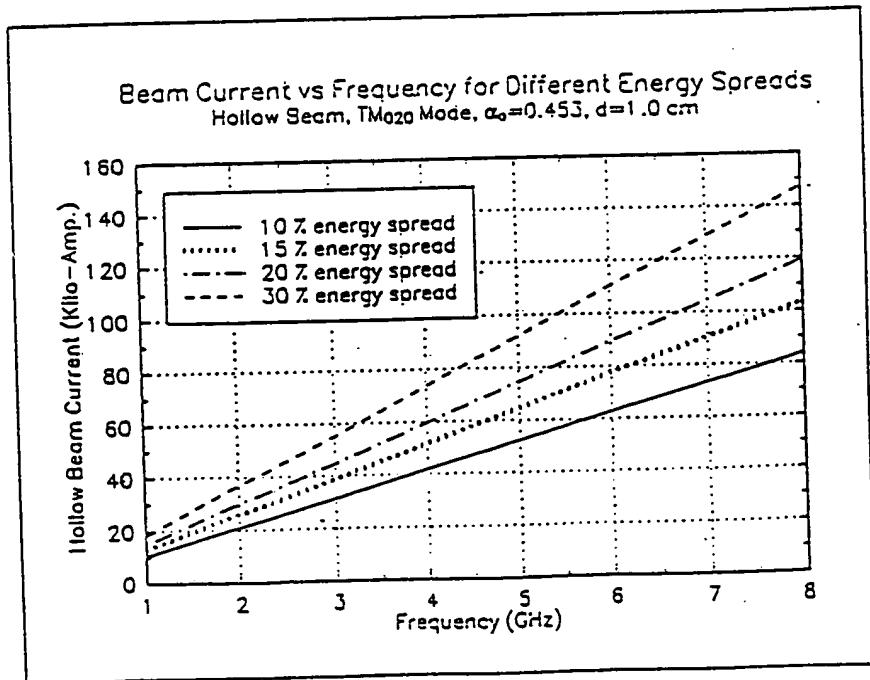
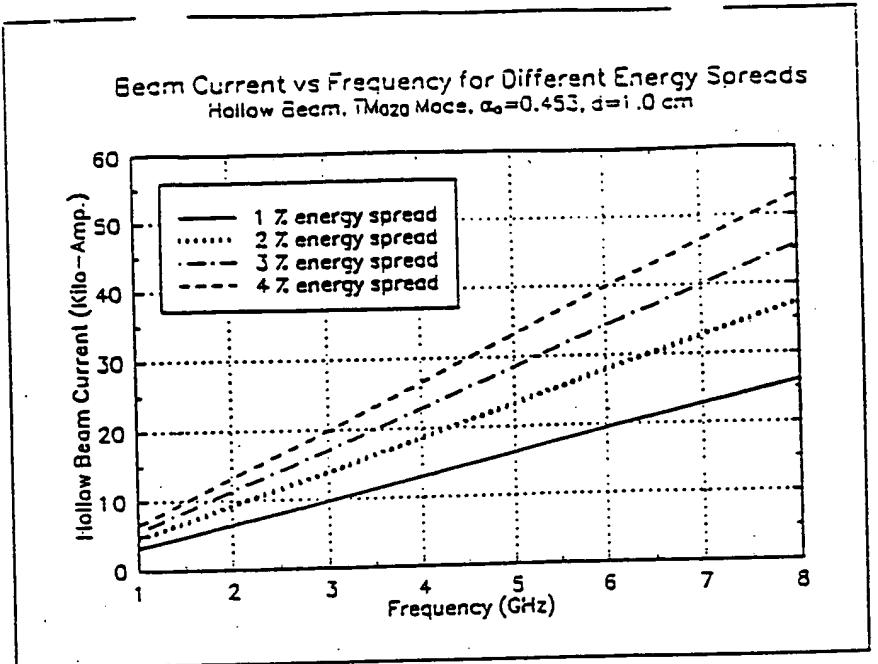


FIGURE 39

2020 RELEASE UNDER E.O. 14176

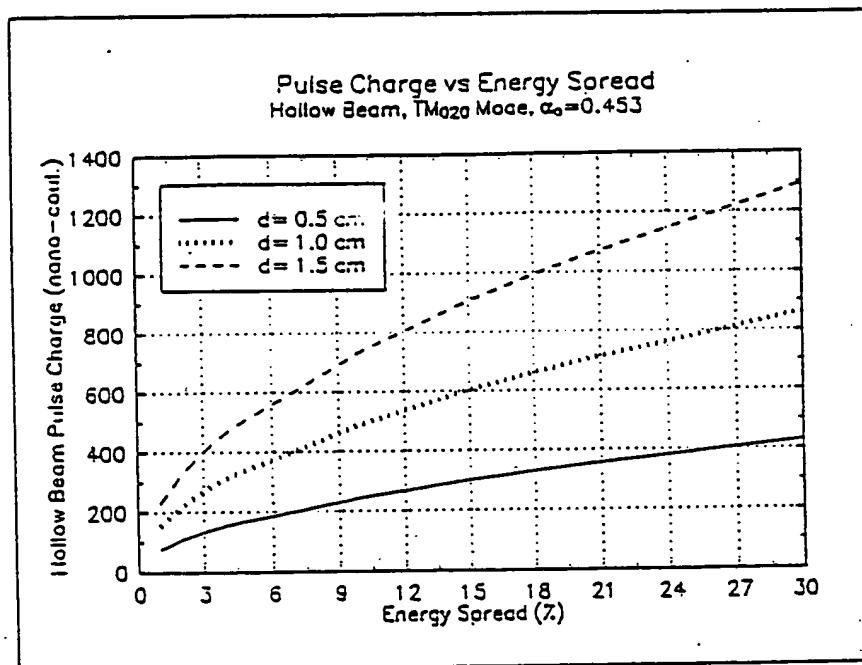


FIGURE 4D

2050E0 "Z056650

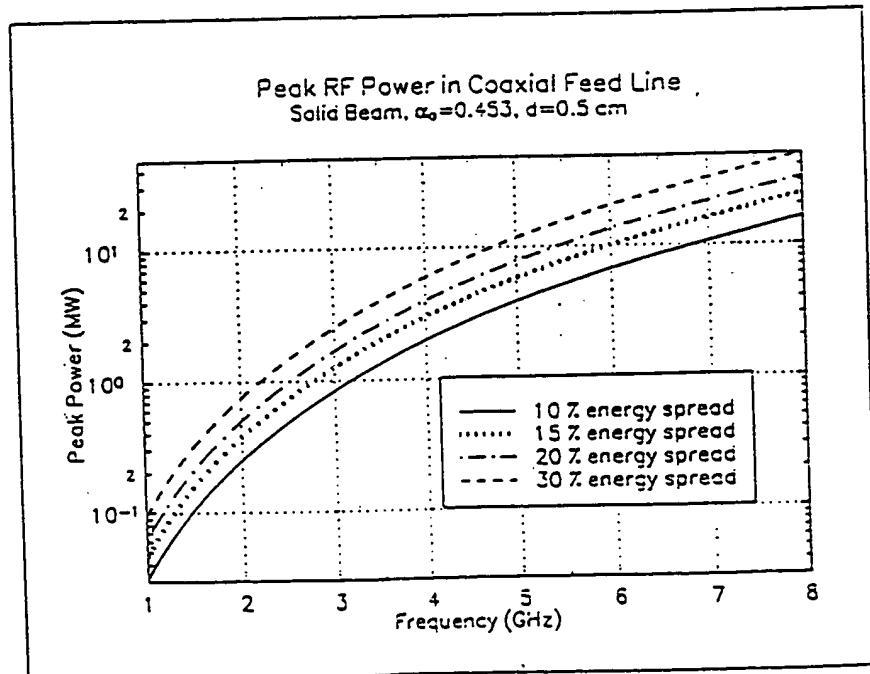
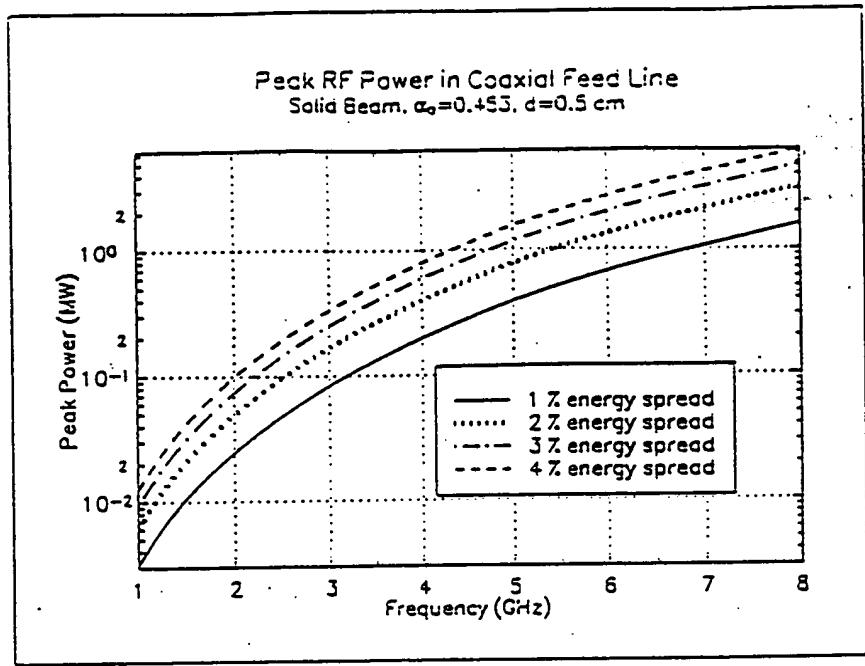


FIGURE 41

20202020202020202020

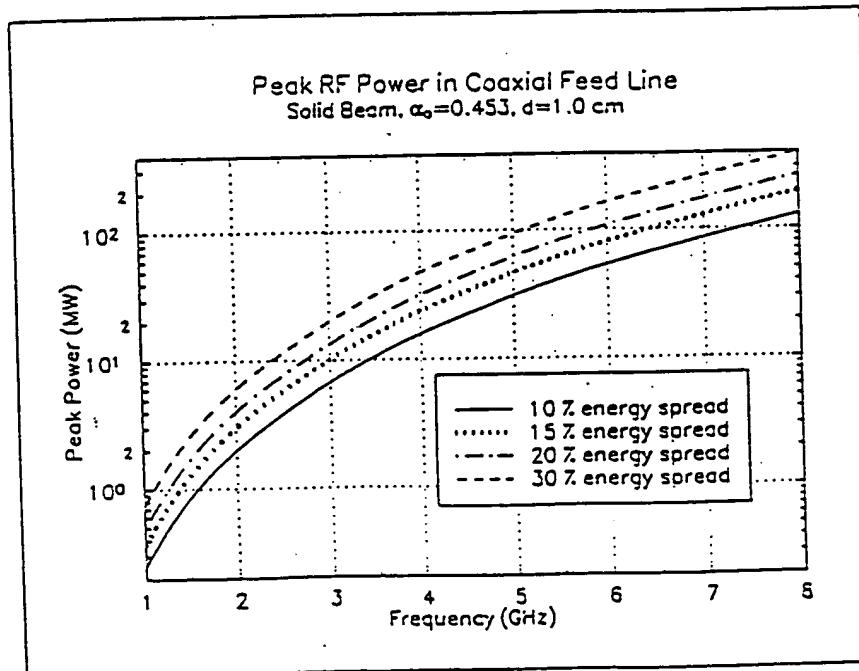
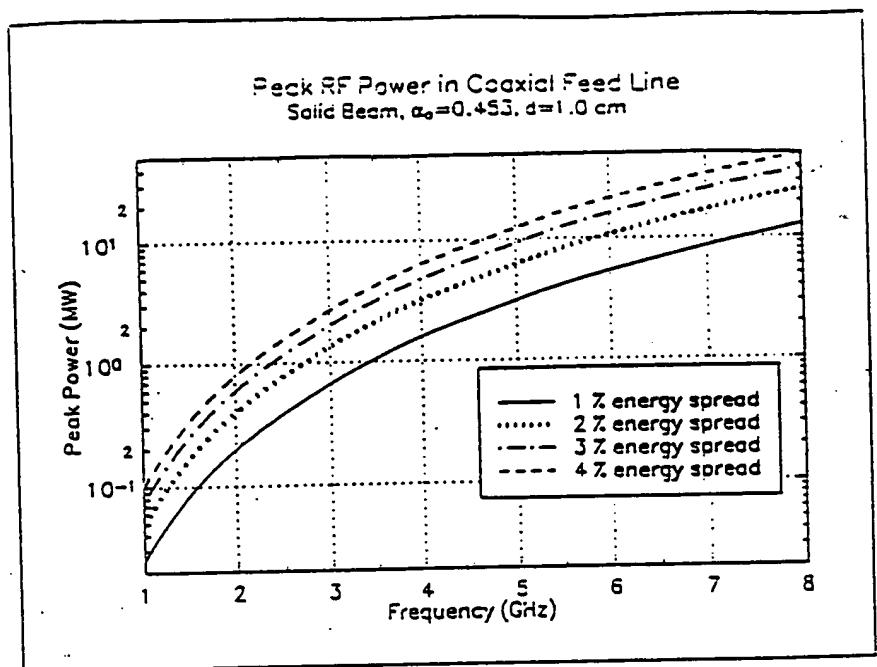


FIGURE 42

20250107220556

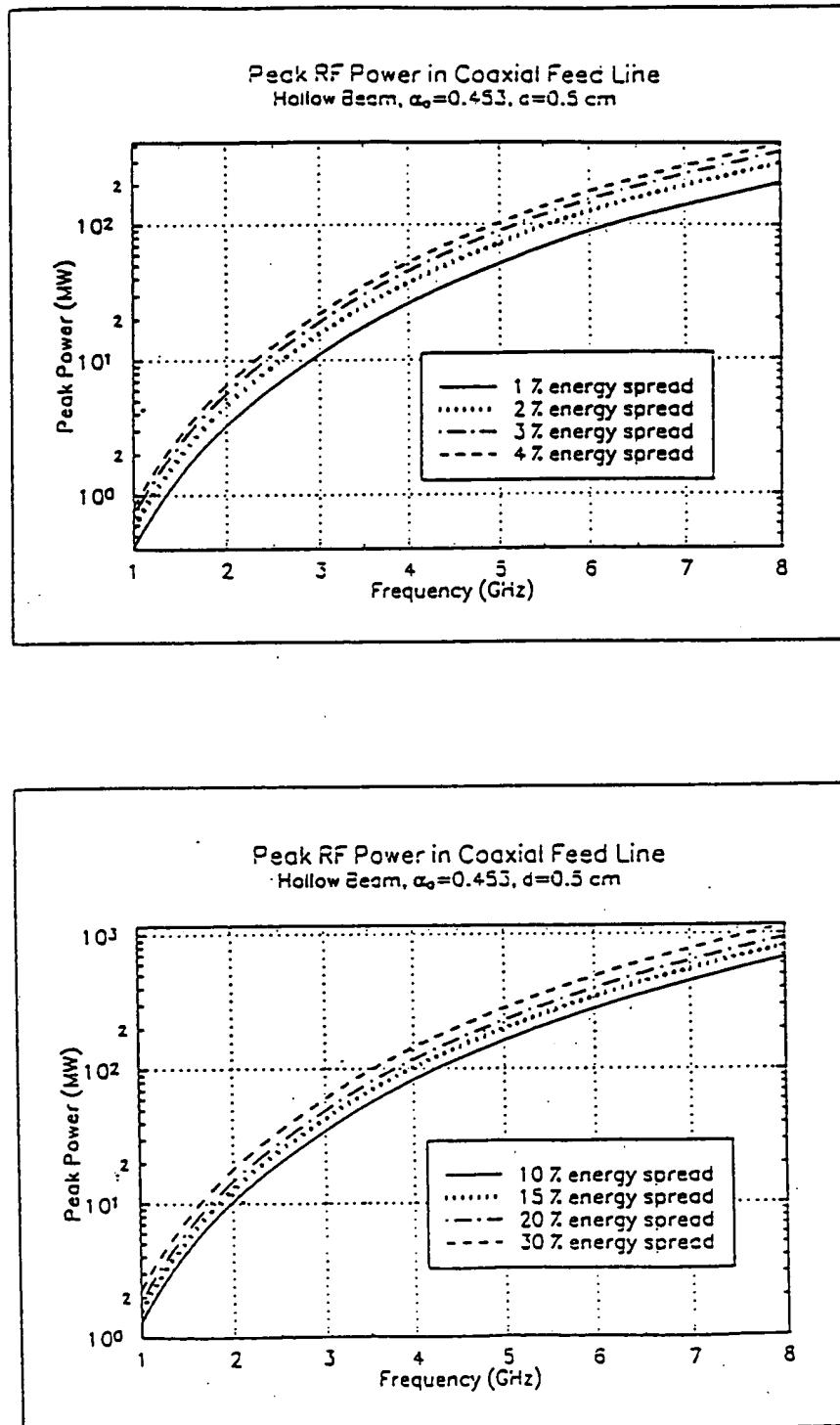


FIGURE 43

2050E0-XZ056660

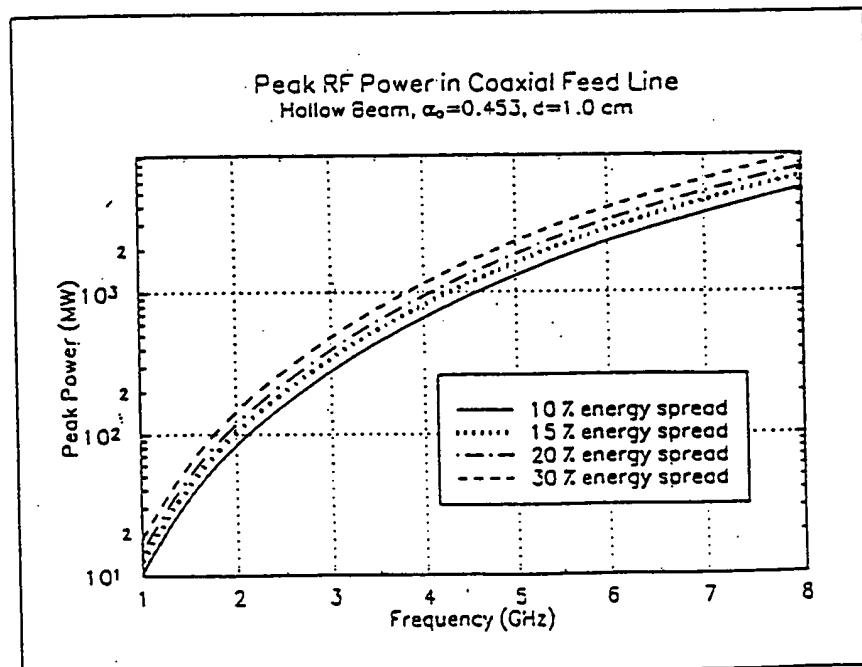
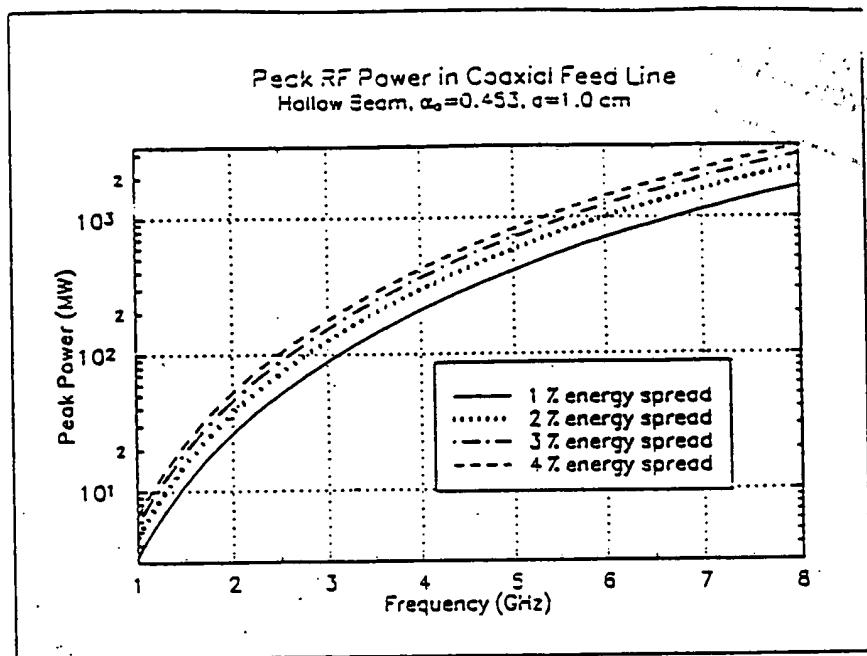


FIGURE 44

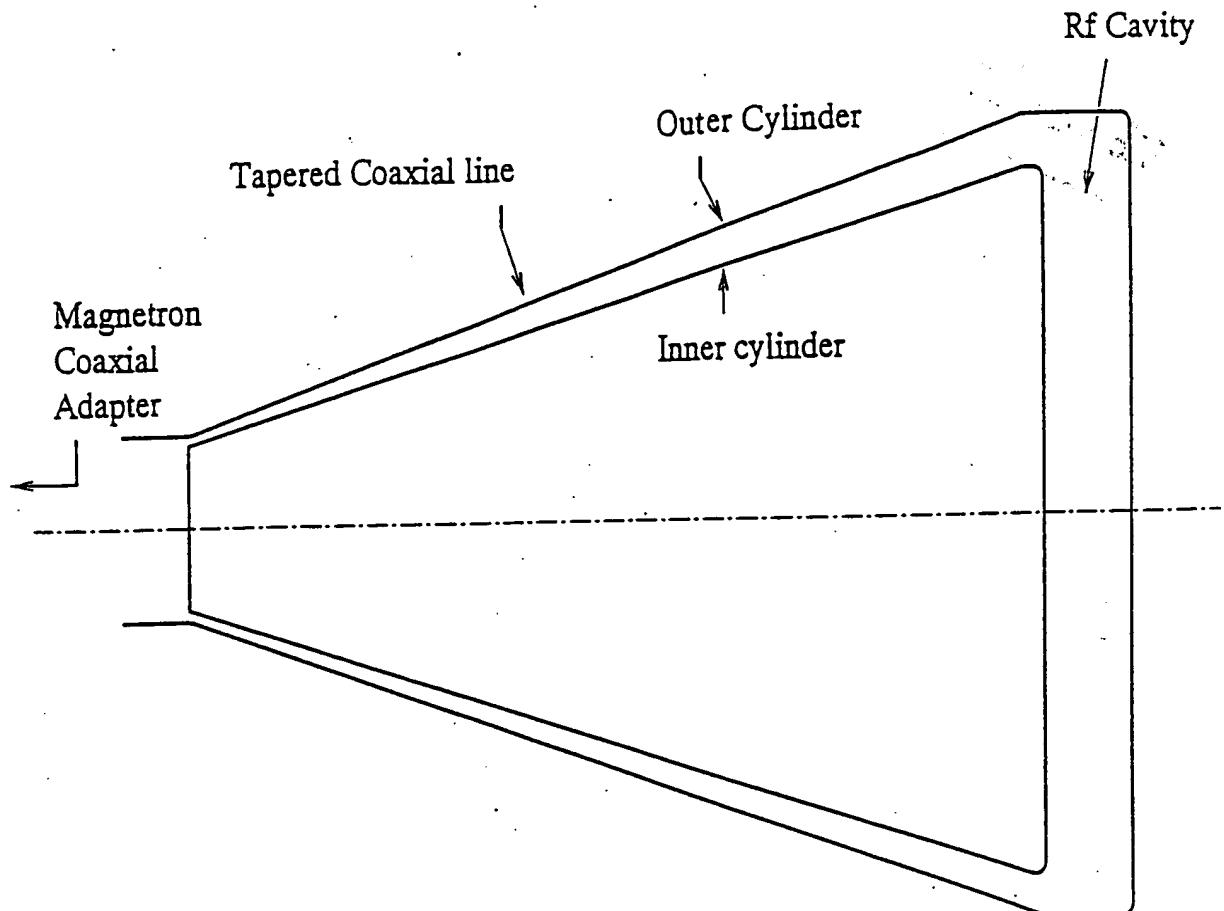


FIGURE 45

DRAFTS - 20050606

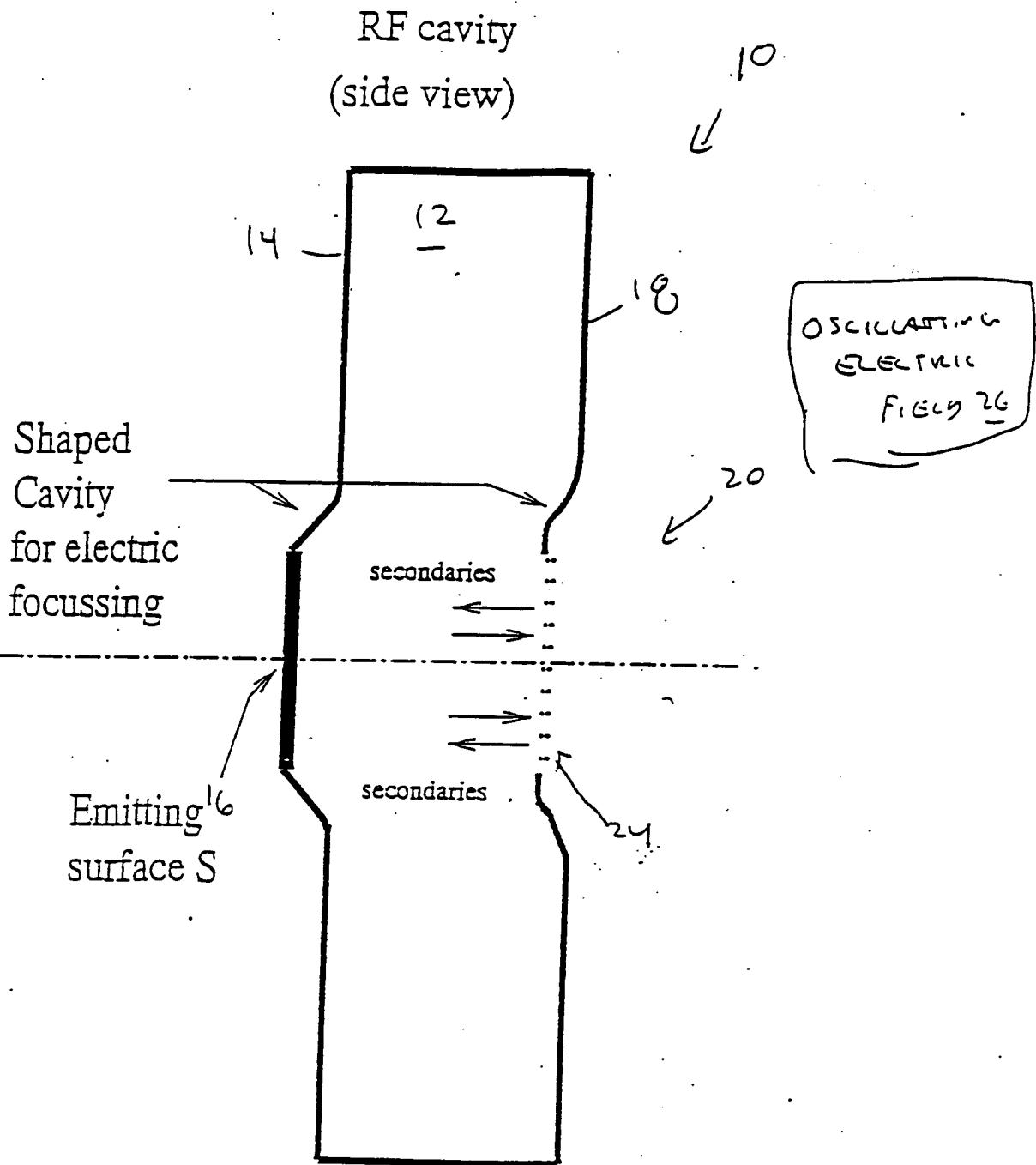


FIGURE 46